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No. 2650.

NOVEMBER 22, 1930.

Vol. CXIII.

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"Torch" Brand enthusiasts will welcome the addition of this range of popular throat pastilles. Made by pastille experts—a delightful pack—the right price—the right profit.

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BOX OF BATH LUXURIES

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Containing:

BATH SOAP de LUXE—mammoth oval tablet
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AND SOAP.

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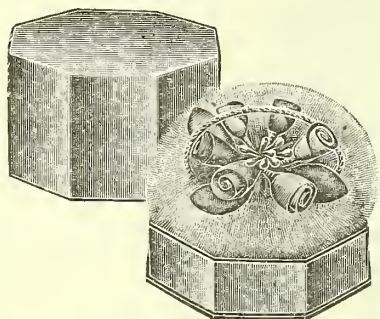
*Window Display as shown, with Six Dozen
Lot. Show-cards supplied with every order*

WIGGLESWORTH LTD.
WESTHOUGHTON, Lancs.

Get your Puffs from EDWARDS and note the VALUE

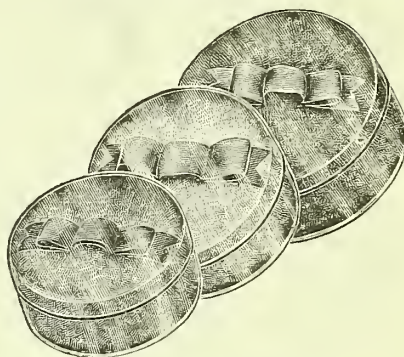
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HERE ARE SOME GOOD SELLERS



No. 402

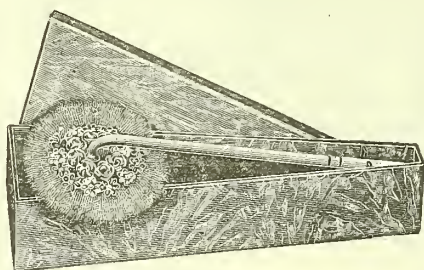
Dainty Puff; flower decoration; 4 inch tinted Swansdown. Each in octagon box.
28/- per Dozen



No. 594

Tinted Bath Puffs in Transparent Hygienic Boxes. No more soiled stock!

Size : 4 4½ 5 5½ 6
Dozen : 24/- 29/- 36/- 51/6 66/-

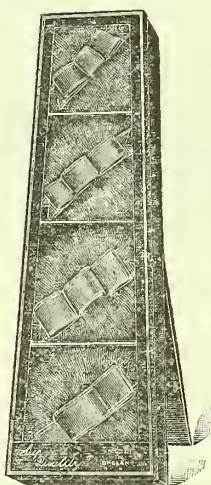


No. 5151

Long Handle Puff. Decorated with Flowers, Tinted Swansdown, assorted colours. Each in Fancy Box.

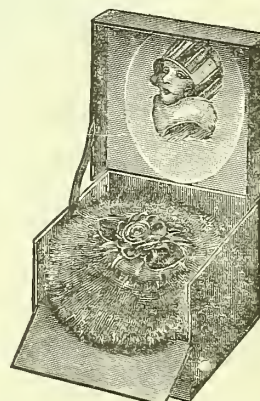
44/- per Dozen

(Other lines from 28/- to 68/- doz.)



No. 427

Attractive Show Case (with transparent lid) containing ½ dozen Tinted Bath Puffs (2 x 4 in. ; 2 x 4½ in. ; 1 x 5 in. ; 1 x 5½ in.)
14/6 per Case



No. 5406

Fancy Puff; Tinted Swansdown, assorted colours; each in Fancy Box with picture in lid.

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wonderful range
of
HANDKERCHIEF
PUFFS

Ask to see samples

TO DISPLAY THEM
IS TO SELL THEM—
and to make PROFIT!

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FOR SERVICE

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Coty



Perfume Container in 'Platinum-Tone' finish, gilt inside 6/9
Richly gilt inside and out 7/6

This illustration shows how the Perfume Container is being utilised in the new season's Coty Coffrets.

Our
DAILY MAIL
Front Page
appears on
DECEMBER 11.
Be ready to
link up with
your window
display.

Cashmere design—
New Coffret containing the extra flat Coty Compact, Gitane Lipstick and Perfume Container in 'Platinum Tone' 11/6

The same combination all richly gilt in Dragon Design Coffret 18/6

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Cowper St., London, E.C.2

(ESTABLISHED 1833)

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Cause*

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Full particulars, Showcards, and Leaflets on request.

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THE £1 WINDOW DISPLAY BONUS
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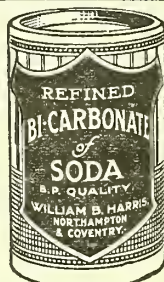
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ROUND • OVAL • SQUARE • FOLDING

ROBINSON & SONS LTD.
CHESTERFIELD & LONDON



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The boxes illustrated above are finding increasing favour amongst chemists. They are dust-proof and air-tight and of a very attractive appearance. Fitted with a flanged metal lid which is easily lifted out they form a very useful container.

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It is a steady and consistent
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more sales for YOU during
the season of certain demand.

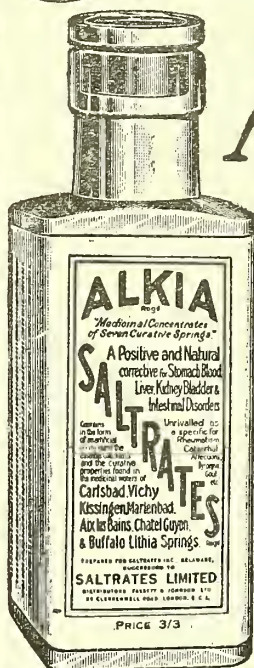
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to take advantage of it &
make more money?

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Never DOWN TO A PRICE



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YOU CAN STOCK THESE RAPIDLY MOVING LINES ON GUARANTEED SALE TERMS

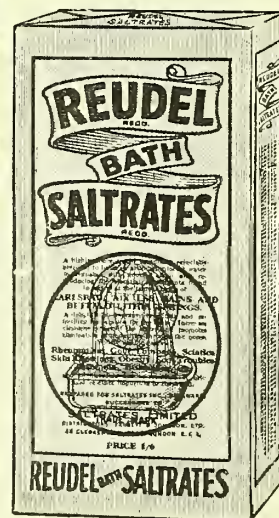
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Showcards of strong selling power sent free on request.

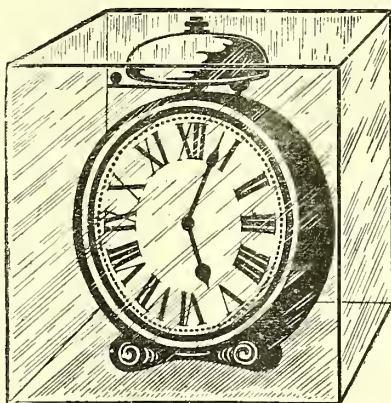
Write for our Special Terms for Window Display.

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Maw's Page



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Tooth Brushes, are planned to give you the utmost assistance in your efforts to economise time and space and thus to increase turnover and profits. They keep "Meritor" Tooth Brushes constantly before your customers. They

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and Barnet.



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Relieves after-pain.

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Cellophane can be had in sheets, all sizes and colours; also in the shape of **Bags, Discs, Envelopes**, printed or not, allowing the contents to be seen by transparency.

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Cellophane **protects, beautifies, and adds** the quality touch.

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will give that finishing touch to convince the potential buyer that yours are the goods for Christmas presents. Illustrated List, in colours, No. C.D. 1206, showing tickets, posters, window slips, and all decorations applicable to the festive season, free on mention of this journal.

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speaking—just done
10 days' work, and
still 'keen' for more!*

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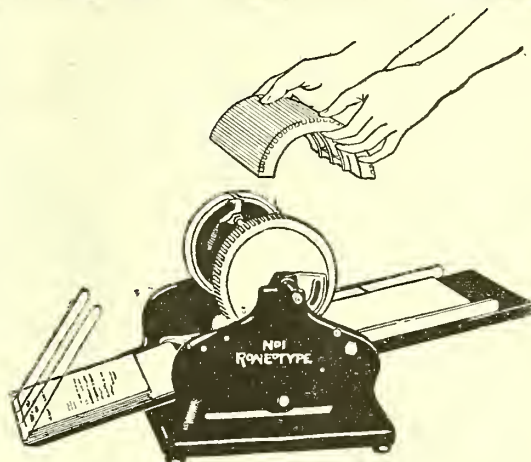
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15w. 25, 40, 60w. 100w.

2/- 1/10 3/-

Ask your dealer for new Leaflet (L.504)
giving complete list of reduced prices.

THE BRITISH THOMSON-HOUSTON CO., LTD.,
(SUBSIDIARY OF ASSOCIATED ELECTRICAL INDUSTRIES LIMITED)



What is a new client worth?

If one new client repaid your outlay on a business-efficiency device that would secure you many such clients, would you think the investment worth while?

Many retail and wholesale chemists are protecting and enlarging their clientele by means of the handy automatic "Roneotype." A regular communication holds your clients and prevents them from straying elsewhere.

Keep constant contact with your clients by personal letter, pamphlet and booklet—which any junior assistant can produce (in colour if you wish) on your Roneotype. Advise them of special offers and new lines at a moment's notice. No printing delays or expenses. All the advertising advantages of constant reminders to existing and prospective clients.

Write for Booklet No. 756

RONEO

LTD.

Roneo Building,
5-11 Holborn, London, E.C.1

Telephone: Holborn 7622



TWO POINTS



is a nationally
advertised
product

is a product
of uniformly
high quality

Every jar of Malt Extract with Cod Liver Oil which bears the National Mark IS GUARANTEED.

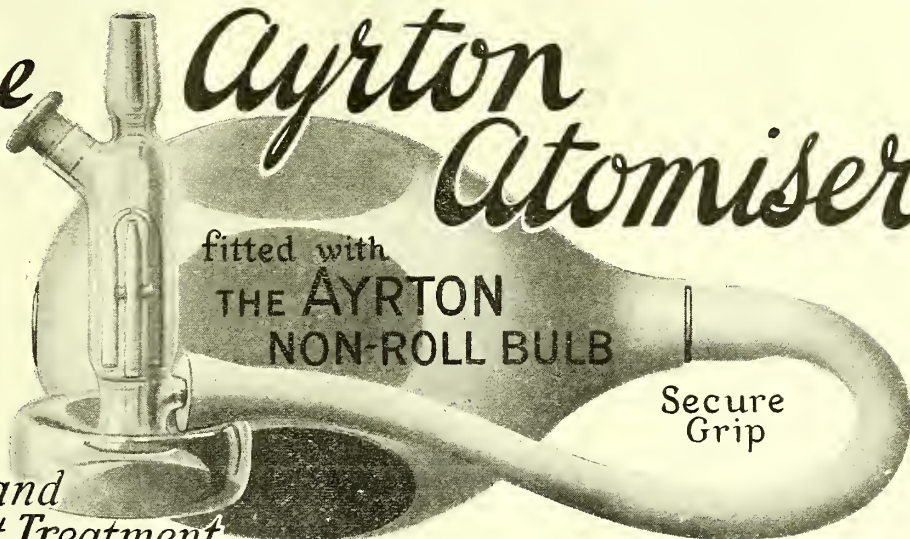
1. To be made from home-grown barley and pure cod liver oil.
2. Not to have lost its effectiveness during manufacture: it must have a diastatic activity of not less than 25 Lintner.
3. To contain not less than 5 per cent. by weight of soluble protein.
4. To have a specific gravity of not less than 1.4, ensuring a high proportion of carbohydrates.
5. To contain a proportion of cod liver oil (15 per cent. of the total mixture) which ensures the maximum efficiency consistent with palatability.

National Mark Malt Extract with Cod Liver Oil

*Attractive shop window display material is supplied free of charge
by the Ministry of Agriculture and Fisheries*

ISSUED BY THE MINISTRY OF AGRICULTURE AND FISHERIES

CATARRH AND COLDS EVERY SECOND PERSON



The Ayrton Atomiser

fitted with
**THE AYRTON
NON-ROLL BULB**

Secure
Grip

For
Nose and
Throat Treatment

Ayrton, Saunders & Co. Ltd., LIVERPOOL.
Made in England

THE AYRTON ATOMISER (Patent No. 176121)—Chosen by the Medical Profession as the finest instrument for nasal and throat treatment because of its **enormous double-action nebulizing power**, and the ability to completely sterilize the instrument by boiling, because of its all-annealed glass construction. **The only efficient method of applying Iodine Paint (Pigment Maude) and atomising heavy-base liquids.**

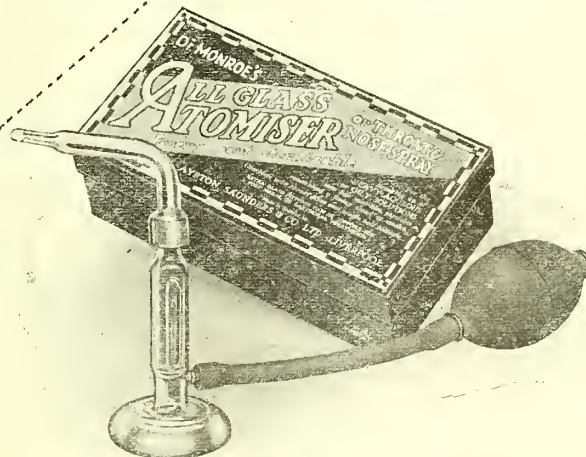
WRITE US FOR PARTICULARS OF GRATIS INSTRUMENT OFFER

Beautifully packed in substantial hinged-lid case with detailed directions and fitted with the Ayrton Hexagonal Non-Roll, Secure-Grip Bulb which will not overturn the instrument.

Each 4/- Per dozen 45/-
Extra Bulbs " " 18/-
(Sample complete Atomiser, post free 4/-)

DR. MONROE'S ALL GLASS ATOMISER—This single-action all-glass sterilizable Atomiser is offered at a very low price to meet the medical profession's increased prescribing of self-administered nasal and throat disinfection during epidemics and winter months. Each in strong box, complete with throat-piece.

Each 3/- Per dozen 33/-
(Sample complete Atomiser, post free 3/-)



BISMUTH CARB. *Evans*

A WHITE FLUFFY CARBONATE

*which diffuses immediately and completely
on shaking the bottle. Physicians to-day
prescribe Evans' Bismuth for this
reason.*

Made at their
FINE CHEMICAL
WORKS

by

EVANS SONS LESCHER & WEBB LTD.



GOOD PASTILLES, well displayed in due season, are more than half sold. Nearly everybody needs them, and the "Castle" window-show is an ideal method of bringing the need home to your customers. No passer-by could fail to see and to appreciate such an imposing display.

To EXPORT BUYERS—All orders and enquiries should be addressed to our Sole Export Agents
Wm. ALFRED JONES Ltd., West India House, Liverpool

THOMAS KERFOOT & CO. LTD.
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

T/127

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Screw



● Assorted 9d. Perfumes (Rose, Muguet, Narcisse, Li, Violet and Chypre) at 6/- dozen. Ref. No. 669.

Khasana, Li or Narcisse 1/- perfumes at 7/9 dozen. Ref. Nos. 413, 841, 1641.

Khasana, Li or Narcisse 1/- perfumes (boxed singly) at 8/- dozen. Ref. Nos. 413/1, 841/1, 1641/1.



Spray Bottles! *for the handbag* •

Khasana's Latest in 8 Popular Perfumes

ATTRACTIVE DISPLAY CONTAINERS

The last word in handbag perfumes! Pure essences, pure spirits of wine, in eight popular flower perfumes—all presented in exquisite little polished glass screw-spray bottles. Evaporation is impossible.

● **Two Sizes, to Retail at 9d. and 1/-**

Both ideal for the handbag. Both packed by the dozen in charming containers for counter display. The shilling size also packed singly in attractive miniature boxes. Order a selection now; put a box or two on your counter; that's enough to make these pocket perfumes go like hot cakes. You have only to collect the ninepences and shillings. Out of every ninepence received, threepence is for you; out of every shilling, rather more than fourpence is yours, when you sell these Khasana miniatures.

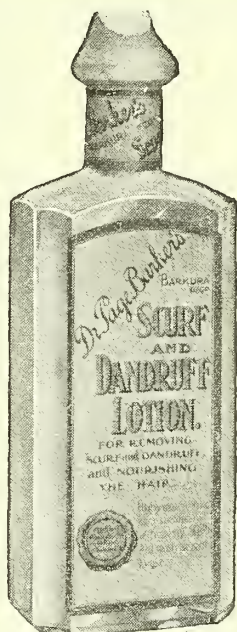
● **Three FREE with every Three Dozen Order**

Just tell us what perfumes you want and how many of them. Drop us a card to-day. Get these Khasana quick sellers at work profit-making for you. And remember, every time you make it three dozen, back come three dozen and three!

KHASANA

MINIATURE PERFUMES

Khasana Ltd., Bunhill Row, London, E.C.3



Dr. Page-Barker's Scurf & Dandruff LOTION

The recognised
specific for scurf

EVERY bottle of Dr. Page-Barker's Scurf Lotion bears a positive guarantee that it will eradicate scurf or the purchase price will be refunded. This makes it the easiest to sell of all hair and scalp specifics. And the profit is handsome.

2/6

P.A.T.A

With every order for 3 dozen you get three 2/6 bottles as bonus, handsome metal showstand, and attractive showcards.

PER 18/- DOZEN

SEE OUR NEW & ARTISTIC SHOWCARDS

WRITE FOR EXPORT TERMS

THOS. CHRISTY & CO., 4-12 OLD SWAN LANE, LONDON, E.C.4

IODINE IN TOOTH PASTE.

This popular antiseptic is now available in

I-O-dent

6d. size **3/3** per doz.

1/- " **6/6** " "

Full display with 6 dozen. Carriage paid.

Pleases all Palates

Write for bonus terms to :—

I-O-DENT LABORATORIES
56 Durham Road, Holloway, London, N.7

*If its
Customers
you want*

YOU SHOULD STOCK

PETAL DUST

"Wherein the subtle savour of the Flowers
sublimely dwells."

THE GREAT FLORAL AIR PURIFIER

A TRIAL WILL CONVINCE YOU THAT—

PETAL DUST, when once shown, creates its own demand, and is therefore a valuable adjunct to every "go-ahead" store.

PETAL DUST, when displayed prominently upon your counter, will attract prudent customers by the fragrance of its unique odour, which to-day is of such universal admiration.

RETAILS IN PACKETS AT 4d. AND 8d. EACH.

Attractive Advertising matter free on request.

Obtainable through all the usual Wholesale Houses or from
Sole Producers :—

THE ROSMARINE MANUFACTURING CO.
LONDON, S.E.1

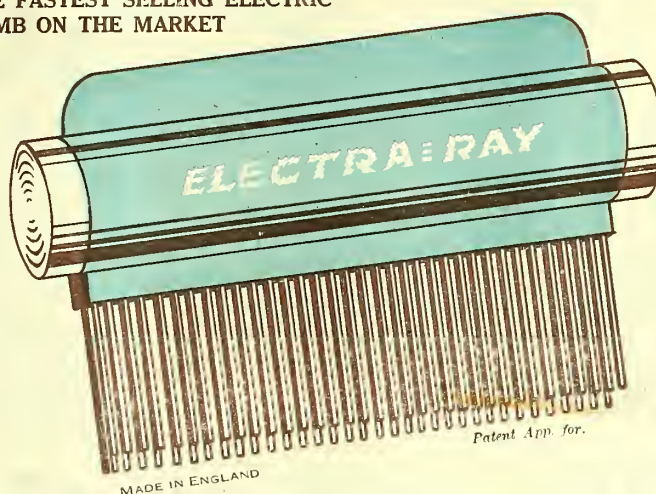
SELLING WELL NOW!

Will sell even better at Christmas.

**Are YOU getting your share of ?
easy profit on Electric Combs ?**

ARE YOU SELLING ELECTRA-RAY COMBS?

**THE FASTEST SELLING ELECTRIC
COMB ON THE MARKET**



The quickest seller ever placed on the market. An instant success.
Made in beautiful Bakelite in four colours—Red, Blue, Green, Black.

A 5/- value sells for 2/6

**A 10/- value sells for 5/-
and 50% profit on your cost**

All combs packed complete with Electric Testing Bulb and a Money Back Guarantee. **ORDER THEM NOW FROM YOUR WHOLESALE HOUSE.**

ELECTRA-RAY COMBS may be ordered from stock of the leading wholesale houses in the following towns—

LONDON	MANCHESTER	LIVERPOOL	LEEDS	BIRMINGHAM
BRADFORD	GLASGOW	EDINBURGH.	ABERDEEN	NEWCASTLE
SHEFFIELD	YORK	NOTTINGHAM	LEICESTER	DERBY
SWANSEA	CARDIFF	BRISTOL	IPSWICH	NORWICH
BOURNEMOUTH	BELFAST	DUBLIN	BRIGHTON	

AUSTRALIAN DRUGGISTS' SUNDRIES LTD., York St. Sydney.

Sole Distributors: D.D.D. Co. Ltd., London

SEE OVER

The Greatest Improvement in
a Shampoo Package
Ever Made!

3 Shampoo Powders 6^D.
in a new patented
Perforated Tear-off Package



50%

**Profit
to
you!**

*This is an exact reproduction of the envelope.
Actual size 5 $\frac{3}{16}$ x 4 $\frac{1}{8}$ inches.*

**SELLS ON SIGHT
REPEATS ON VALUE**

OUR BONUS OFFER

With an order for 3 dozen you receive two 6d. Shampoos Free

" " " " 6 " " " five " " "
" " " " 12 " " " twelve " " "

Where else could you make such a profit and at
the same time give your customer such value?

An attractive Counter-Display Box, containing
one dozen envelopes (36 shampoos) retailing at

6/- costs you **4/-**

Order them now from the wholesalers in the towns named overleaf.

Sole Distributors : D.D.D. Co. Ltd., London

FOR
XMAS
GIFTS



HOUBIGANT

introduces a new Perfume

FLEUR BIENAIMÉE

An up-to-date "metallic" packing — a novel and entirely new Perfume — reasonable prices — for demonstration and display magnificent Show Material offered free of charge: all combine to ensure success.

Be ready for the Christmas trade.

PERFUME Original Size 17/-

Handbag Size 3/3

FACE POWDER.. . . . 2/-

WRITE FOR CHRISTMAS PRICE LIST:—

LARDEN ROAD PARFUMERIES DE PARIS LIMITED ACTON LONDON

MYSORE GOVERNMENT SANDALWOOD OIL

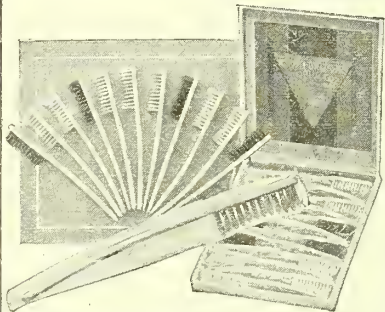
DISTILLED FROM SANTALUM ALBUM, LINN.



Trade Commissioner for Mysore in London
Grand Buildings, Trafalgar Square, LONDON, W.C.2

Telephone: Gerrard 4412.

- THE -
"STATIC" TOOTH BRUSH
BONE HANDLES
WHITE, UNBLEACHED, OR BLACK BRISTLES



6/6 per doz.
From all wholesalers

MANUFACTURERS:
W. R. SPEER & SON, 215 Dalston Lane, E.8
ESTD. 100 YEARS.

2D. EACH **TEMMAH** **2D. EACH**

To-day's most popular
SAFETY RAZOR BLADE
TO FIT ALL 3-PRONGED HOLDERS

Compare with other makes **THE PROFITS YOU EARN** on these terms:—
15s. Per Gross, less 10% Discount
CASH WITH ORDER OR C.O.D.
PLUS BONUS OF 2 DOZ. PER GROSS,
Orders executed on S/R basis nett.

TEMMAH PRODUCTS, LTD.:
14-16 LOWER CLAPTON ROAD, LONDON, E.5.

G. B. KENT & SONS, LTD.

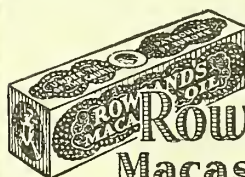
Are known the World over as
the Largest Manufacturers of

**BEST
BRITISH
BRUSHES**

Please write for full Particulars to:—
75 FARRINGTON ROAD, E.C.1.

For thinning hair

Recommend Rowland's Macassar Oil, the favourite of 137 years. It keeps the hair healthy, and staves off greyness and baldness.



RETAIL,
3/6, 7/- & 10/6
P.A.T.A.

**Rowland's
Macassar Oil**

Red for
dark hair
Golden
for fair or
grey hair

A. ROWLAND & SONS, Ltd., 112 Guilford St., London, W.C.1
RMST

THIS WINTER'S EASY SELLER—

PINE-ICE

FOR CHAPPED HANDS



Here is a new line for every chemist this season.

The public do not want costly remedies.

"PINE - ICE" is a sound inexpensive line which if displayed will sell itself and create extra sales.

Attractively presented, it forms an ideal counter or window display.

Cussons'

KERSAL VALE
MANCHESTER

RETAILS AT

2^D





Free!

ECLIPSE RAZOR BLADES

3 for 1/- 5 for 1/8

BRITISH THROUGHOUT

"Eclipse" Blades represent the highest achievement of shaving comfort. They are made in our own Works in Sheffield right from the ingot of high grade Crucible Steel to the finished Blade of supreme and lasting keenness.

With your order for "Eclipse" Blades, the Manufacturers will send gratis a supply of these useful Containers for used Blades for free distribution to every purchaser of a packet of "Eclipse" Blades. These handy Containers solve the problem of how to dispose of used Razor Blades without fear of danger.

DISPLAY CARD complete with 10 Packets of 3's=	£0 6 8
ONE BOX of 100 BLADES in Packets of 5's or 10's=	£1 2 3
5 BOXES each of 100 BLADES in packets of 5's	or 10's=£1 1 8

Payment: Monthly Account less 2½%.

Order from your usual Wholesaler,
or direct from the Manufacturers.

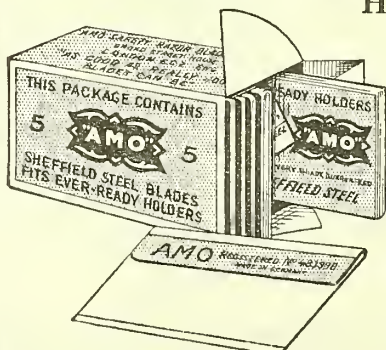
JAMES NEILL & CO. (SHEFFIELD) LTD.
Crucible Steel Manufacturers SHEFFIELD.

E62

ANOTHER OUTSTANDING ACHIEVEMENT!

AMO

SHEFFIELD STEEL BLADES
TO FIT **EVER-READY**
HOLDERS



RETAIL

1/-

FOR 5

RETAILER'S
PROFIT

60%

Obtainable of
all Wholesalers

Write now for
Free Sample
and Terms.

AMO SAFETY RAZOR BLADE Co., Ltd.
Broad Street House, LONDON, E.C.2.

'Phone: Ave. 8846

CAN BRITAIN COMPETE?

THIS NEW AND BETTER RAZOR
BLADE IS SWEEPING AWAY
FOREIGN COMPETITORS.

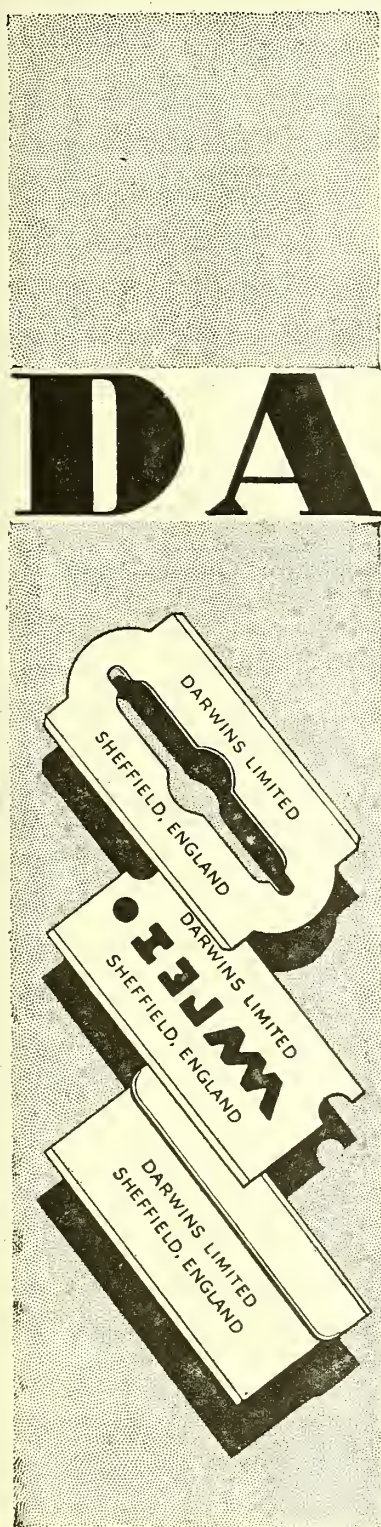
AT 1/- PER DOZ.



CHIN-CHIN BLADES

Manufactured by—

The WAFER RAZOR Co. Ltd.
262 EARSHAM ST., SHEFFIELD.



REDUCED PRICES —

ALL

DARWIN BLADES

NOW 1/8 for 5

BAR-TYPE A *NEW* blade to fit the latest bar-type holder, and all three-peg type holders.

AUTO STROP TYPE
To fit old or new pattern holders.

EVER READY TYPE

There is a Darwin for all popular types of holders.

**ALL DARWIN BLADES
NOW SELL AT ONE PRICE —
1/8 FOR 5 RETAIL**

Cost Wholesale 22/3 per box of 100

Applications for adjustments on present stock must be made by December 1st, 1930.

ADVERTISING We're letting the public know about the new prices and the new Bar-Type blade in the National Press. Take advantage of our announcement — have plenty of *all* types in stock.

**DARWINS LTD., Sales Office, Eros House,
29/31, Regent Street, London, S.W.1.**

**ORDER THROUGH YOUR
WHOLESALE... TO-DAY**



BRIGHTER LIGHTS *for* BRIGHTER BUSINESS

Your windows aglow
with inviting brilliance
never fail to bring
customers to your shop.

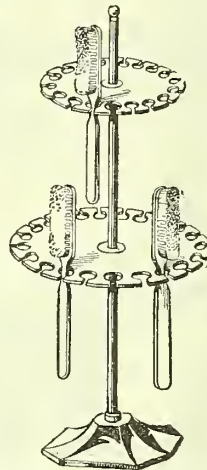
When ordering your
next consignment of
lamps specify:—

COSMOS PEARL LAMPS

Obtainable from all first-class
electrical contractors

Metropolitan-Vickers Electrical Co. Ltd.
TRAFFORD PARK - MANCHESTER

An Ideal Tooth Brush Display Stand -



No. C.D.F. 2904.

Brown Bronze TOOTH
BRUSH STAND, 16
inches high, fitted with 2
revolving discs to accom-
modate tooth brushes.
Will display 39 brushes.
Mounted on heavy 5-inch
octagonal base. Ideal
for Counter or Window
Display.

7/6 EACH

TEAR THIS PAGE OUT

Please send me your list No. C.D. 1180.

Name.....

Address.....

DUDLEY & COMPANY LIMITED

451 Holloway Road, London, N.7

City Showrooms : 65-66 FORE STREET, E.C.2

HAIR

The British-Made
Hair Clipper.

**BURMAN
CLIPPERS**

For SURGICAL
and VETERINARY
PURPOSES.

HAIRDRESSERS' CLIPPERS



Dainty Shingling
Clippers for
Ladies' use.

BURMAN & Sons, Ltd., BIRMINGHAM

NURSE HARVEY'S MIXTURE

A safe, simple and reliable remedy for Children's
Ailments is advertised so extensively in the
daily and weekly Press as to bring mothers to
the retailer without effort on his part.

The selling has been done before the mother
reaches the chemist, and, having supplied her, it
is only common sense to claim she will buy other
family necessities from him. Moreover, the con-
tinuous demand for it produces a quick turnover.

For Direct Terms apply to—

OSCAR SCRUTON & CO., YORK

LEASE of IMPORTANT CITY OFFICES for SALE

WITH VACANT POSSESSION

42 CANNON STREET, E.C.4

In consequence of the recent amalgamation of Messrs. Morgan Brothers (Publishers), Ltd., Proprietors of "THE IRONMONGER" and "THE CHEMIST AND DRUGGIST," with The Engineer, Ltd., Proprietors of "THE ENGINEER," the offices of the three journals have been moved to new and more commodious freehold premises, which have been acquired at 28-31 Essex St., Strand, W.C.2. The lease of the entire premises at 42 Cannon Street, of which the four well-lighted upper floors have been in the occupation of Morgan Brothers (Publishers), Ltd., the Ground Floor and Basement being sub-let to the Aerated Bread Co., Ltd., is in consequence for sale. Alternatively, the four upper floors (which have also an entrance to Garlick Hill), having a total area of about 7,000 ft., would be let. The premises are in good order. Rent £2,000 per annum, inclusive of rates.

For further particulars, apply to Messrs. FAREBROTHER, ELLIS & CO.
29 FLEET STREET - - - LONDON, E.C.4
or to HENRY BUTCHER & CO., 63 & 64 Chancery Lane, London, W.C.2

Lease of Imposing Offices for Sale

WITH VACANT POSSESSION

33 NORFOLK
STREET - -
STRAND, W.C.2

For further particulars
apply to
WHATLEY, HILL
& CO., 24 Ryder St.
St. James's, S.W.1 - -

In consequence of the recent amalgamation of THE ENGINEER, LTD., proprietors of "THE ENGINEER," with MORGAN BROTHERS (PUBLISHERS), LTD., proprietors of "THE IRONMONGER" and "THE CHEMIST AND DRUGGIST," the offices of the three journals have been transferred to new and more commodious freehold premises which have been acquired at 28-31 Essex Street, Strand, W.C.2.

The remainder of the lease, covering a further twenty-five years, of the offices at 33 Norfolk Street, W.C.2, is in consequence for sale. This particularly well-lighted, five-storey building has an area of 8,200 sq. ft., and occupies a site at the corner of Norfolk and Howard Streets, adjacent to the Temple Station, whence Westminster and the City may be reached in a few minutes. The building is of modern construction and has a fine and distinctive elevation. It is in good order throughout. Rent £1,600. Moderate price.

DEMONSTRATIONS ARE THE MOST EFFECTIVE FORM OF ADVERTISING

We are Specialists. Our charges are Moderate and cover the securing of Sites, supplying of Staff, and General Supervision. House-to-House Canvassing also Conducted. **WRITE US FOR FULL PARTICULARS—**

The **DEMONSTRATION Company**, 44 West Avenue, Wallington, Surrey. Telephone: Fairfield 5396.

"YOU SUPPLY THE GOODS—WE DO THE REST."

FRED^K. FINK & CO.

10 & 11 MINCING LANE, LONDON, E.C.3.

TEL.: ROYAL 5094.

GUMS, ARABIC and TRAGACANTH as Imported or Finely Powdered. :: SHELLACS ALL GRADES.

NEW DAYLIGHT SIGNS.
Any COLOURS. That as a Board NO BOX - MIRRORS
UPRIGHT or HORIZONTAL. **Brilliant at all angles**
NOT A DUST TRAP. Can also be adapted for Box Electric Signs.
Available for PROJECTING WINDOW & SIGN, FRAMES & ETC.
Send for PRICE LISTS & PHOTO ILLUSTRATIONS
National Advertisers size 14x10 Double Sided, with Brackets, in Quantities
ALLAN M^C CO LTD 129 GRAYS INN RD. W.C.1

DRIED MILK

Large buyers of Full Cream, Half Cream, Separated, Milk Sugar, Whey Powder, Soluble Milk Casein, are invited to apply for samples and quotations, stating probable requirements. Eight Creameries in Dorset, Somerset and Wilts.

PRIDEAUX'S LTD., MOTCOMBE, SHAFTESBURY, DORSET

ACID-PROOF STONEWARE

STORAGE of VOLATILE LIQUOR (Essences)
GRINDING MILLS, MIXING VESSELS,
FILTERS, STILLIS.

F. WEINREB

16, 17 DEVONSHIRE SQ., LONDON, E.C.2



BATH &
TOILET
SALTS
DE LUXE

Nymphaea

INSTANTLY
SOLUBLE
EVEN IN COLD WATER

Retail: 1/-, 3/6 & 6/6 P.A.T.A.

Patentees & Sole Manufacturers

SUPERFINE CHEMICALS, Ltd., FELTHAM, MIDDLESEX.

TATCHO Sample Size 6^D

THE
HAIR RESTORER

6 Bottles in Case for
Counter Display,
4/- PER DOZ.

PROMOTES, PRODUCES, 1/3 size .. 12/6 per doz.
BEAUTIFIES THE HAIR 2/9 size .. 26/- per doz.

TATCHO Laboratorie s, 5 Great Queen Street, London, W.C.2

"IMP" BALLROOM POLISH

Makes an ideal Dancing Surface on any floor, and, unlike Boric Acid, creates no objectionable or unhealthy dust. Sprinkler Top Cartons. SHOWCARDS WITH ALL ORDERS
COSTS 9/- and 16/- SELLS 1/3 and 2/-

CUXSON, GERRARD & CO., LTD. OLDBURY, BIRMINGHAM

WINDOW DRESSING PAPERS
AN ENTIRELY NEW RANGE JUST ISSUED.
SEND FOR SET NO 742 AT ONCE.
POST FREE
J.C. KING LTD 42-60, GOSWELL RD LONDON E.C.1

BALLOONS PRINTED with your ADVERTISEMENT or BLOCK.

COMBS, PRESENTS, LEATHER GOODS, NOVELTIES, ETC.

Deal from the oldest established firm in the Trade:

"STANBERTS," STANBERT HOUSE, (Dept. "P"),
377 KENNINGTON ROAD, S.E.11 Reliance 1762
STOCK "JAZZO," THE MAGIC DANCE FLOOR POLISH.

MULTIPLE SHOP ORGANISATION

By A. EDWARD HAMMOND,

Author of "Practical Aids to Retail Selling," etc.

If you are engaged in, or interested in, multiple trading or any of its branches, you will be well advised to read this new and practical guide to the multiple movement and to shop and office methods. 6/- net. Of a Bookseller or

PITMAN'S, Parker Street, Kingsway, W.C.2

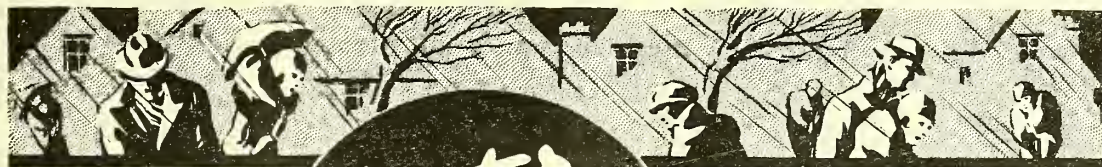
"MUNA" Service D & P

SPECIAL Postcard Enlargements
OFFER in CHRISTMAS Folders 2/-
Doz. Nett

Munns Bros. Ltd. 45/57 Summer Row Birmingham

A LINE THAT SHOWS GOOD PROFIT
and ensures the confidence of your customers, per doz. to retailing at 6d.
From LEWIS SMITH, M.P.S., Hereford.
BONVET DOG POWDERS
THE SCIENTIFIC CURE FOR DISTEMPER, SKIN DISEASES, CONSTIPATION, LOSS OF APPETITE, LIVER TROUBLE, WORMS

YOUR Customers with Artificial Dentures Will Readily BUY IT.
SCIENTIFIC SO-IT-IS DENTURE PREPARATION
THOS. CHRISTY & CO., 4 12 Old Swan Lane, London, E.C.4



It pays to display
**POTTER'S
 CATARRH
 PASTILLES**

P.A.T.A. - 1'3
 11' - PER DOZ.
 IN BOXES OF
 HALF DOZENS

There is a brisk demand

POTTER & CLARKE LIMITED

Drug Merchants—Manufacturing Chemists

60, 62, 64 ARTILLERY LANE, LONDON, E.1.

Phone:—Bishopsgate 4761-5 lines. Grams:—Horsehound, phone London, (2 words.)

and **24, LUNA STREET, GREAT ANCOATS STREET, MANCHESTER**

Phone:—Manchester City-6048. Grams:—Horsehound, Manchester



THIS 32-page booklet, **BOB MARTIN on DOGS**, is the handiest and most practical reference book on the common ailments of dogs; written in non-technical language and pleasantly relieved with illustrations; the container, which is beautifully printed, holds one dozen copies and takes up only nine inches of counter space. One is included in every £1 display parcel.

Mr. P. J. PINSON, M.P.S., 31 High Street, Clapham, London, S.W.4, has written to say:—"I thank you for further quantities of your Booklets, which I shall carefully distribute. The first supply went in one day, and I am finding steadily improving sales for your Preparations."

**The
£1
DISPLAY
PARCEL**

is strongly recommended to those who have not yet taken up a complete range of Bob Martin preparations. The retail value is £1 : 9 : 0, and contents are:—

2 doz. 6d. Bob Martin's Tasteless Condition Powders: $\frac{1}{2}$ doz. Small Strength $1/10\frac{1}{2}$
" " Medium " $3/9$
" " Large " $1/10\frac{1}{2}$

$\frac{1}{2}$ doz. 6d. Distemper Powders .. $1/10\frac{1}{2}$
" 6d. Worm Powders .. $1/1\frac{1}{2}$
" 6d. Worm Tablets .. $1/1\frac{1}{2}$
" 1/- '92 Ointment .. $2/3$
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" 6d. Antiseptic Dog Soap .. $1/1\frac{1}{2}$
" 1/8d. MartinMilk .. $3/10\frac{1}{2}$

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A good supply of display material accompanies this parcel, including one dozen copies of **BOB MARTIN on DOGS** packed in a display container as illustrated.



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Dog Food and Medicine **SOUTHPORT, ENG.**
Manufacturers since 1892



Winter Toilet Business

THE OUTDOOR GIRL

Takes care of her complexion
with an eye to its indoor
appearance

“HAZELINE’ SNOW” (Trade Mark)

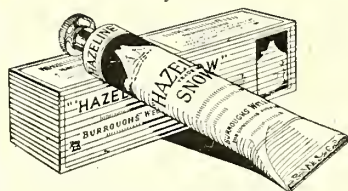
is ideal at all times—the tube packing
for outdoor use and the neat pot for
the dressing-table. Non-greasy, non-
obtrusive and the ideal basis for powder

‘HAZELINE’ CREAM (Trade Mark)

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base closely resembling the oil normally
secreted by the skin, is the best of all.

Prices in London to the Trade

Reduced facsimile



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Reduced facsimile



“HAZELINE’ SNOW” IN POTS
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Reduced facsimile



‘HAZELINE’ CREAM IN TUBES
7/6 and 15/- per dozen (subject)
IN POTS
15/- per dozen (subject)
IN GLASS JARS CONTAINING 1 lb.
105/- per dozen (subject)



BURROUGHS WELLCOME & CO., LONDON

THE CHEMIST AND DRUGGIST



A WEEKLY JOURNAL OF PHARMACY,
THE DRUG, CHEMICAL & ALLIED TRADES.

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English and Welsh News

The Editor will be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

Exemptions from Key Industry Duty

The Treasury have made an Order under Section 10 (5) of the Finance Act, 1926, continuing the exemption from duty of the following articles till December 31, 1931:—Acid adipinic; acid lactic which satisfies the requirements of the British Pharmacopœia; acid oxalic; amidopyrin (pyramidon; dimethyl-amidoantipyrine); ammonium perchlorate; barbitone (veronal; malonal; malourea; acid diethyl barbituric, diethyl-malonylurea; hypnogen, deba); bromural (dormigene); celtium oxide; chinosol; cocaine, crude; dial (acid diallyl barbituric); dicyandiamide; didial (ethyl morphine diallyl barbiturate); dysprosium oxide; elbon (cinnamoyl para oxyphenyl urea); erbium oxide; ethylene bromide; eukodal; europium oxide; furfural; gadolinium oxide; glycol ethers; guaiacol carbonate (duotal); holmium oxide; hydroquinone; integrators (planimeter type); R. lead acetate; lead tetraethyl; lipiodin; lutecium oxide; mercury vapour rectifiers having mercury cathodes; metaldehyde; methyl cyclohexanol methyl adipate; methyl sulphonal (diethylsulphonemethylethylmethane, trional); neodymium oxide; nickel hydroxide; oxymethyl paraoxyphenyl benzylamine methyl sulphate; papaverine; phenacetin (acetparaphenetidine); phenazone (antipyrine); phenyl dimethylpyrazolone; analgesin; anodynine; dimethyl oxychinizin); phenetidine, para; phytin; piperazine (diethylene-diamine; dispermin); planimeters; R. potassium chlorate; potassium ethylxanthogenate (potassium xanthogenate); potassium guaiacol sulphate (thiocol); R. potassium hydroxide (R. potassium caustic; R. potassium hydrate); R. potassium permanganate; praseodymium oxide; pyramidon-veronal; quinine ethyl-carbonate; radium compounds; resorcine (resorcinol); salol (phenyl salicylate); samarium oxide; styralcol (guaiacol cinnamate); sulphonal; synthalin; terbium oxide; thulium oxide; urea (carbamide); vanadium-silica compounds specially prepared for use as catalysts for sulphuric acid manufacture; ytterbium oxide; yttrium oxide.

Public Health Congress and Exhibition

The second Public Health Congress and Exhibition was opened by the Minister of Health (the Right Hon. Arthur Greenwood) at the Agricultural Hall, Islington, London, N.1, on November 17. The programme of the Congress, which closes on November 21, includes addresses by experts on matters connected with public health. A small audience gathered round the platform at the opening ceremony. The Minister's speech included a disparaging reference to "the bottle of medicine," and was in the main an exposition of the doctrine that the most important factors in life are air, water, food and cleanly surroundings. It was evident from a survey of the stands that the exhibitors as a whole intended visitors to think mainly in terms of water purification, road cleansing, surgical operations, and so forth; a few of the exhibitors, however, are of interest to the drug trade. Among these are BACTEROL, LTD.; BAILLIÈRE, TINDALL & COX (books); COW & GATE, LTD. (food); INHALING DRUGS & APPARATUS CO., LTD.; H. K. LEWIS & CO., LTD. (books); MILTON PROPRIETARY, LTD.; OPPENHEIMER, SON & CO., LTD. (Balmosa, Bi-Palatinoids, Maglactis, Oscal Standardised Colloids, Roboleine); THE "SANITAS" CO., LTD.; SCHOLL MANUFACTURING CO., LTD. (foot appliances); SOAPLESS FOAM, LTD. (medicated baths); SORBO RUBBER SPONGE PRODUCTS, LTD.; YADIL PRODUCTS (1925), LTD. (Yadil, Yadilets for rheumatic and intestinal disorders, Yadil Antiseptic Pastilles (new), soap, powder, etc.).

Contracts

The following tenders have been accepted by the bodies named:—

Merthyr Tydfil Town Council.—Boots, Ltd., drugs.

Stockport Infirmary Board.—J. C. Arnfield & Sons, Ltd., drugs.

Inquests

It was stated at an Accrington inquest, on November 5, on the body of Gladys Duckett, Belfield Road,

that she took eight or ten ounces of "ammonia." A verdict of "Suicide" was returned.

An inquest was opened by the North London coroner, on November 18, on the body of Kate Goddard, 42 Edward Street, N.W., described as a dressmaker. One of the witnesses was Mr. N. Stuart, an assistant at a local branch of Boots, Ltd., who stated that on November 11 a woman whom he believed to be the deceased purchased two bottles of lysol for 1s. 7d. By Mr. W. J. Wenham, solicitor for Messrs. Boots: It is quite a usual thing to be asked by a customer for two bottles of lysol?—Yes. The inquest was adjourned.

An inquest was held in South-East London, on November 15, on the body of Mrs. Hilda M. Dixon, Nightingale Lane, S.W. It was stated that the deceased had been taking medinal, and died from an overdose, self-administered. The coroner (Dr. F. J. Waldo) said he considered that the law regarding the sale of medinal needed changing and strengthening. He recorded a verdict of "Suicide."—A verdict of "Death by misadventure" was given at another inquest in South-East London, on November 17, in which the cause of death was also poisoning by medinal taken for insomnia. The deceased was Dr. Edwin G. Harris, by whose bedside a small quantity of medinal was found. Evidence was given by Dr. Henry Ryffel, a Home Office analyst.

A verdict of "Death from natural causes" was returned at a Clitheroe inquest, on November 18, on the body of Frederic Jackson, retired farmer, Chatburn, who was found dead in bed. Frederick Smith, herbalist, Butler Street, Blackburn, said Jackson visited him at regular intervals. He began to treat him with extract of poison ash. The Coroner: A powerful local irritant?—It can produce a skin disease. Is that good for rheumatism?—Yes, for rheumatism which causes restlessness. On October 8 you gave him a placebo?—Yes. A medical witness said death was due to sudden heart failure. Smith's treatment was not familiar to him (the doctor), and he could not express an opinion on it. The coroner said he was satisfied the herbalist's treatment, if not beneficial, was not detrimental.

Birmingham

Several contributions to the Birmingham Hospital Centre Appeal Fund have been announced, contributors including local firms and companies connected with the drug trade who have forwarded amounts ranging from £2,000 downwards.

Mr. Ernest Canning, chairman of Canning & Co., Ltd., Great Hampton Street, has been appointed as a prospective candidate for the vacancy on the City Council in the representation of St. Paul's Ward, Mr. Jeffrey Poole having been elected an alderman.

Liverpool

The death is announced of Dr. T. Wafer Byrne, a prominent Liverpool dentist well known to members of the drug trade.

The article in last weeks *C. & D.* on the Mediterranean cruise in the "Otranto" has been read with much interest in Liverpool, especially by those who recognised in a photographic group at Tangier the daughter of Mr. Harold Lomax, Edge Lane.

The inadequacy of legislation in connection with the sale of food and drugs was stressed by Professor W. H. Roberts, the Liverpool city analyst, in his address on "Chemistry in Public Affairs," at Liverpool University, on November 14, to the Liverpool Educational Research Society. Referring to the sale of drugs, Mr. Roberts said that as far as he could see, in law nothing could be said if a chemist supplied a customer with enough of a drug to poison a whole city. Fortunately some drugs had been placed under the Dangerous Drugs Act, and no one but a qualified pharmacist was allowed to deal with these.

A party of members of the Oldham and District Branch of the Pharmaceutical Society paid a visit to the Evans Biological Institute, Runcorn, on Novem-

ber 11. The party, numbering forty-two, were received by Mr. Wood, and divided into four groups. Demonstrations associated with the preparation of antitoxin attracted considerable attention. Explanations of the various activities of the Institute were given by the specialists in charge of the bacteriological laboratory, the chemical and analytical laboratories, and the physiological department. The special machine for filling glass ampoules attracted interest. Tea was provided in the canteen, after which the medical director (Dr. H. A. Mitchell) gave a talk on "Biology from the Day of Hippocrates." Mr. Davies moved a vote of thanks to Evans Sons Lescher & Webb, Ltd., and their staff, which was seconded by Mr. Newby and carried unanimously.

Miscellaneous

POISON-LICENCE APPLICATION.—Mr. S. W. Morrey, Pontesbury, has applied to Shropshire County Council for a licence to sell agricultural and horticultural poisons.

CLOSING HOURS AT FILEY.—As the result of a petition for the extension of shop hours in the summer months, Filey chemists have been granted permission to extend their shop hours during the period June 1—September 30 each year. The final closing time will be 9 p.m. (Saturday, 10 p.m.).

ASSOCIATION OF SCIENTIFIC AND TECHNICAL INSTITUTIONS.—The inaugural dinner of the Association of Scientific and Technical Institutions was held at the Guildhall, London, E.C., on November 13, Sir Ernest Rutherford in the chair. The principal speaker was the Prince of Wales, who emphasised the value of co-operation in scientific and technical matters. A gift of £10,000 from Mr. Robert Mond towards the equipment of a central building for the Association was announced.

PROPRIETARY ARTICLES TRADE ASSOCIATION.—The names of four members of the retail section of the Council of the Proprietary Articles Trade Association who are to retire this year have been chosen by ballot. The four retiring members are Messrs. J. Keall, T. Marns, H. H. Marshall and P. F. Rowsell. All are eligible for nomination and re-election. It is open to members of the retail section of the P.A.T.A. to nominate candidates for the four vacancies. Nominations will be received by the secretary, 43 Gordon Square, London, W.C.1, up to and including December 1.

SUPPLIES FROM WELFARE CENTRES.—When asked at a recent Bingley Urban District Council meeting if it was true that the public welfare centre was supplying foods and medicines at cost price to people earning £10 or £12 per week who could well afford to buy them from local traders in the ordinary way, the chairman of the health committee replied that the centre was prepared to supply irrespective of income if a doctor said the goods were necessary. He supposed people able to buy in the shops would have sufficient "common sense" not to take an undue advantage.

A CINÉ DISPLAY.—Since A. C. Vallance, Ltd., erected their works in Milton Street, Mansfield, three years ago, their photographic business has made rapid strides, due in no small measure to the enterprise shown by the directors. At the Oriental Café, recently, the company gave a home-ciné entertainment, which aroused great interest locally, the audience numbering nearly 100. A series of films were shown through a Patheoscope projector, and during an interval refreshments were served. At the conclusion the thanks of those present were briefly replied to on behalf of himself and his sons by Mr. A. C. Vallance, Ph.C.

IN THE COURTS.—At North London Police Court, on November 11, George F. Bennett (22), chauffeur, was sentenced to twelve months' hard labour for having stolen, at the shop of Mr. G. J. Lusher-Pentney, chemist and druggist, Kingsland Road, E., a cash box containing £24 15s. (*C. & D.*, November 8, p. 570), and from a chemist's shop in Hornsey the sum of £53.—At Middlesbrough, recently, John A. Thomson was sentenced to twelve months' imprisonment on charges

which included the unlawful possession of "dangerous" drugs, and pretending to be a medical practitioner.—At Leicester, recently, Edith M. Frost, confectioner, London Road, was fined 40s. for having sold sweets containing seven times more sulphur dioxide than the permitted amount.

IRREGULAR SALE OF POISON.—At Ulverston Police Court, on November 6, a summons against G. H. Mackereth, Ltd., for having sold Jeyes' Fluid No. 2, not labelled with the name and address of the seller, was dismissed on payment of £2 costs.—At Garstang, on November 13, William Harrison, ironmonger, Park Hill, was summoned for having sold carbolic in a bottle not labelled "Poison," and not bearing name and address of the seller. The magistrate dismissed the case on payment of £2 2s. costs.—At Alston Police Court, recently, Kenneth Pickering, grocer, was fined 5s., with costs, for having sold arsenic to a person unknown, in a packet not duly labelled, and without recording the transaction.

SPORTING EVENTS.—The following are the results of matches played on November 8 by teams representing Potter & Clarke, Ltd., manufacturing chemists:—*Football*, Potter & Clarke, Ltd., "A" XI v. The British Drug Houses, Ltd., in the London Business Houses League, at Chingford, won 4—1; Potter & Clarke, Ltd., "B" XI v. Kearley & Tonge, in the London Business Houses League, lost 7—1; Potter & Clarke, Ltd., "C" XI v. Reeves, won 6—3. *Girls, Netball*, Potter & Clarke, Ltd., "A" team v. F. Newbery & Sons, Ltd., in the London Business Houses League, won 30—32. Potter & Clarke, Ltd., "B" team v. F. Newbery & Sons, Ltd., "B" team, in a friendly match, won 28—8. —*B.D.H.*—*Football results*: On November 15, in the London Business Houses League 2, division 1, B.D.H. v. Clarnico, the result was a draw, each side scoring one goal; in the London Business Houses League 3, Division 2, B.D.H. v. Mazawattee, was won by the latter by 5 goals to 3.

Scottish News

Brevities

Mr. J. R. P. Mitchell has been appointed Scottish representative of the Retail Pharmacists' Supply Association, Ltd.

The prescribing of endocrine substances is being discouraged by some Scottish medical authorities, and general practitioners are being invited to return to the ways of their fathers and use the B.P. more.

The staff of Davidson & Gray, Ltd., chemists, Dundee, sent a wedding present, consisting of a cut crystal salad bowl, with two smaller ones, to Miss Isabel Gray, on the occasion of her wedding (see p. 648).

A correspondent writes:—"A Morayshire farmer claims to have discovered a cure for 'grass sickness' in horses. It consists of small internal doses of sheep-dip and a liberal supply of chopped broom shoots. Altogether 181 cases have, it is stated, been successfully treated."

Irish News

Brevities

The shop window of Mr. George M. Marshall, Ph.C., Strabane, was destroyed recently by a runaway horse.

Mr. R. F. McCartney, Ph.C., has been appointed to represent Coleraine Corporation on the Coleraine Harbour Board.

Mr. T. R. Cambridge, R.D., Carrickfergus, has been appointed to the committee of the Carrickfergus Musical Festival Association.

Among those who attended the banquet given by the President and Executive of the Irish Free State to

General Hertzog, Premier of South Africa, on the occasion of his recent visit to Dublin, was Mr. Denis J. Nugent, P.C., president of the Pharmaceutical Society of Ireland, representing the Society.

The following lectures will be delivered, under the auspices of the Pharmaceutical Society of Ireland, at 67 Lower Mount Street, Dublin:—On November 27, "Forest Lore and Plant Romance," by Mr. Arthur Francis Collins, M.P.S.I.; on December 19, "The Romance of Pharmacy," by Mr. W. B. Conyngham, M.P.S.I.

National Health Insurance Act

The Minister of Labour for Northern Ireland has appointed the Medical Benefit Council under the National Health Insurance Act. It consists of thirty members and the chemists' representatives—Mr. J. C. Culbert, Connswater, Belfast; Mr. W. J. Hardy, Castle Place, Belfast; and Mr. J. Maxwell, Ferryquay Street, Londonderry. Mr. Culbert is chairman of the Central Chemists' Committee, which has been negotiating with the Ministry. Mr. Hardy is president of the N.I.P.A., and a member of the Council of the Pharmaceutical Society of Northern Ireland. Mr. Maxwell is a member of the same Council. The medical representatives include Dr. S. E. A. Acheson, Belfast, who is also a chemist and druggist and a member of the Council of the Northern Ireland Society. The duties of the Council include the consideration of questions as to whether particular substances may be supplied as medicine under the medical benefit scheme, and the preparation of a scheme for testing the drugs supplied to insured persons on doctors' prescriptions. It is also laid down that the question of the location of a doctor's surgery in premises occupied by a chemist must be submitted to the Council for its consent.

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Monday, November 24

Leicester College of Art and Technology, Pharmacy Department, De Montfort Hall, at 8 p.m. Sir Henry Fowler, K.B.E., LL.D., will present prizes, diplomas, etc.

Tuesday, November 25

Pharmaceutical Society of Great Britain, Bath and District Branch, Oak Room, Red House, New Bond Street, Bath, at 8 p.m. Address by Mr. T. Marns (member of the Society's Council).

Wednesday, November 26

Liverpool Chemists' Association, Adelphi Hotel, at 8 p.m. Annual dance; supper at 10.30 p.m. Tickets 10s. 6d. each.

National Association of Women Pharmacists, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. *Conversazione*. Short address on "Business Methods" by Mr. M. L. Daniels.

Pharmaceutical Society of Great Britain, Watford and St. Albans Branch, Malden Hotel, Watford, at 8 p.m. Mr. F. G. Wells (member of the Society's Council) on "The Report of the Departmental Committee and the Draft Pharmacy and Poisons Bill."

Western (London) Pharmacists' Association, Café Royal, 68 Regent Street, London, W.1. Annual dinner and dance. Reception 6.30 p.m., dinner 7 p.m. Tickets 12s. 6d. each.

Thursday, November 27

Chelsea Polytechnic, Pharmacy Department, Manresa Road, London, S.W.3, at 8.30 p.m. Dr. D. Hooper on "Chinese Medicines."

North-East London District Pharmaceutical Association, St. John's Institute, Urswick Road, Hackney, at 3 p.m. Mr. G. A. Mallinson (secretary, Retail Pharmacists' Union) on "The Draft Pharmacy and Poisons Bill."

Friday, November 28

Pharmaceutical Society of Great Britain, North British Branch, 36 York Place, Edinburgh, at 8 p.m. Evening meeting. Professor Ralph Stockman (Professor of Materia Medica and Therapeutics, Glasgow University) will deliver the inaugural sessional address on "Some Past and Present Aspects of Therapeutics."

Legal Reports

Liniment of Turpentine.—At Old Street Police Court, London, on November 18, Mr. Harry Bogdanor, Forburg Road, Stoke Newington, N., was summoned for having sold at 88 Old Bethnal Green Road, E., liniment of turpentine deficient in rectified oil of turpentine to the extent of 38 per cent. Mr. H. Glyn-Jones, barrister, who pleaded "Guilty," stated that when people asked for liniment of turpentine they often meant white liniment, which was not according to the B.P. standard. The public analyst entered the witness-box, and, in reply to the magistrate, agreed that a great deal of other liniment not so strong as that made from the B.P. formula was sold. The magistrate said a great many people wanted white liniment and they did not want "B.P." He thought the case would be met by payment of £3 3s. costs.

Alleged Passing Off.—In the Chancery Division of the High Court on November 17, before Mr. Justice Bennett, Lever Brothers, Ltd., were granted an injunction for a week to restrain L.B. Products, Ltd., of James Street, Camden Town, London, from selling or offering for sale their goods in such a manner as to lead the public to suppose that the goods (soap, metal polish and other cleansing materials) were manufactured by Lever Bros., Ltd. Mr. Gavin Simmonds, K.C., in support of the motion, said that the defendant company was incorporated under the name of L.B. Products, Ltd., last August, with a capital of £500. It had recently come to the notice of Lever Bros. that canvassers for the defendants, whose activities ranged from London to Southport, were visiting houses and offering for sale defendants' goods which they asserted were made by Lever Bros. Mr. Shelley, for defendants, offered until the trial of the action to paste a slip on every carton of their goods the words "not the product of Lever Bros." He was not in a position that morning to put in an affidavit from defendants' travellers, but he would put in an affidavit stating that so far as defendants had been able to make inquiries the allegations of the plaintiffs were denied. Mr. Simmonds declined to accept this offer and asked for an order in the ordinary form, not being satisfied that what was suggested would sufficiently discriminate between the two classes of goods. An adhesive label, he said, might be of a particular size, and, having been put on, could be taken off again by the canvassers whose business it was to sell these goods. Plaintiffs had been supplied with an affidavit by Edward Stone, who stated that the initials L.B. Products, Ltd., were chosen because his (Edward Stone's) father was called Louis Berger, and a substantial portion of the working capital of the company was provided by money left by his late father, Mr. Louis Berger. Mr. Shelley said he would like the motion to stand over for a week in order to produce affidavits from the travellers. In reply to the judge, he said he was not prepared to give an undertaking beyond the one he had already offered, and that it would take seven days to print, make and fix the labels. Mr. Simmonds said he was not content with that, and read a number of affidavits in support of the motion by householders who had been canvassed. He added that it was estimated a quarter of a million cartons had been disposed of by defendants. Mr. Stone's affidavit, read by Mr. Shelley, stated that in the South of England alone they had in the past two months sold a quarter of a million cartons, and said defendants were anxious their products should not be taken to be those of plaintiffs, as they wanted to build up a business and get repeat orders based on the quality of their goods which they believed to be superior to those of plaintiffs. The travellers had all been instructed they must not make any remark calculated to suggest defendants' goods had any connection with those of any other firm. The travellers were instructed to say their goods had no connection with those of any other firm and that they were the best on the market. Any canvasser disobeying this was told he would be dismissed. The Judge said it was a clear case in which he should grant an injunction for a week, and he did so.

Alleged Interference with Receiver.—In the Chancery Division of the High Court, London, on November 7, before Mr. Justice Luxmoore, Mr. A. Grant, K.C., appearing on behalf of the Government of the Maharajah of Mysore, plaintiffs in a creditors' action for the administration of the estate of the late Mr. Keshav Balkrishna Mavlanekar, manufacturer of essential oils, Yiewsley, Middlesex, moved for the committal of, or the issue of a writ of attachment against, Joseph William Bobin, Nagilda, Hatch Lane, Harmondsworth, and Biagio Giannetto Giordano (commonly called B. Giannetto), Drayton Gardens, Bagley Garden Estate, West Drayton, for interference with the receiver of the testator's business. Mr. Grant stated that in effect the respondents pleaded "Guilty." The complaints made against them were (1) the removal of plant and machinery from the chemical works at Trout Road, Yiewsley, and the dispatch of the same partly to Messina, Sicily, and partly to works taken by respondents at Bentinck Road, Yiewsley; (2) the sending of letters to customers of the business managed by the receiver suggesting that respondents were taking over the perfumery and essence side of the business; (3) trading under their own names while employed by the receiver. The testator, added counsel, carried on business at Yiewsley, and he died on February 1 this year. His estate was insolvent, the debts being sworn at £44,000 odd, and the assets £41,000 odd. Almost the only asset was the business. On March 14 Mr. Charles W. Boyce was appointed receiver of the estate and business, and, by consent, the usual administration order was made. The receiver was given liberty in the carrying on of the business to employ Bobin, who was the factory manager, and Giannetto, the works chemist. In addition to the business carried on at Orchard Works, Yiewsley, there was another business carried on at Messina, and the receiver was the sole agent in England for the sale of its products. He had considerable difficulty in dealing with this special business and had to rely on the respondents, who were the principal men conducting the business under the testator. It was alleged that the respondents had been guilty of grave dereliction of duty, and were eventually summarily dismissed by the receiver. On July 17 they wrote to the registrar of business names stating that they proposed to trade under the name of Bobin and Marino at Bentinck Road, Yiewsley. Although they did not in fact trade under that name, they did begin to carry on business at that address under the name of Bobin and Giannetto. Mr. Pratt, the counsel for Giannetto, said his position was different from that of Bobin, and he knew nothing of the letters which were sent out. Mr. Malone, counsel for Bobin, said he took responsibility for what had happened, and he wished to exculpate as far as he could his partner Giannetto. In his affidavit Bobin stated that at no time did he intend to commit contempt of court, and if he had done so he unreservedly apologised. He did not attempt to justify his conduct. His Lordship: His conduct has been very bad indeed. Mr. Malone said Bobin explained the sending of a special pump to Messina by the fact that a large order had been received, the commission on which would have been paid to the receiver. He wished to expedite the order. What he did was done honestly and without any fraudulent intent. He believed he was doing something which would ultimately benefit the estate. He submitted himself to the mercy of the court. Mr. Pratt said that Giannetto did not attempt to justify his conduct, and said he did not intend to commit contempt of court. He was in the habit of acting under Bobin's authority. He deeply regretted what had happened and apologised to the Court. His Lordship said he appreciated that defendants were entitled under an agreement with the receiver to carry on business in Messina, and he could understand them starting some sort of business in this country. He would require further evidence as to the business they had carried on here under the name of Bobin and Giannetto, and for that purpose the motion would stand over for a week.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office.

E. A. ALLESTON, LTD. (P.C.).—Capital £100. Objects: To carry on the business of wholesale and retail chemists and dispensers, etc. The directors are: E. A. Alleston and F. G. Jordan. R.O.: 191 Ilford Lane, Ilford, Essex.

CAMERON'S PHARMACY, LTD. (P.C.).—Capital £100. Objects: To carry on the business of chemists, druggists, etc. The directors are: J. T. Holland-Griffiths and Mrs. Phyllis F. M. Holland-Griffiths. R.O.: 189 South Ealing Road, Ealing, W.5.

E. YOUNG (BRISTOL), LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of consulting, analytical, pharmaceutical chemists, etc. The directors are: W. H. D. Season, 5 Lilymead Avenue, Knowle, Bristol, grocer, wine and spirit merchant; V. O. Season, 5 Lilymead Avenue, Knowle, Bristol, grocer, wine and spirit merchant; and D. M. Joiner, 467 Wells Road, Knowle, Bristol, chemist and druggist. Solicitor: A. E. Solomon, Bristol.

ARTHUR H. COX & CO., LTD.—Miss L. B. Mackie, who has for many years been secretary of Arthur H. Cox & Co., Ltd., manufacturing chemists, Brighton, has been elected a director of the company.

INTERNATIONAL COLLOIDAL SYNDICATE.—On the petition of Mr. Harold Rupert Jensen, industrial chemist, Newcombe Park, Mill Hill, a creditor, Mr. Justice Maughan in the Chancery Division on November 17 made an order for the compulsory winding up of the International Colloidal Syndicate, Ltd. Mr. Mulligan, for the company, said it had been found impossible to get a scheme through, and he was instructed not to oppose the order being made.

TIMOTHY WHITES (1928), LTD.—The profit for the year to July 31 was £155,321, against £163,640. Two-thirds of the difference of £8,319 is accounted for by depreciation of securities. The net profit is £114,823, compared with £139,883. A final dividend on the old deferred ordinary is proposed at the rate of 10 per cent., making 15 per cent. (against 23.042 per cent.), and on the new deferred ordinary from the date of allotment to July 31 at 10 per cent. per annum. These and the interim payments leave a balance forward of £12,792, against £10,616. The Property Company purchased thirty-four shops; the money required has been provided by this company out of the new capital subscribed. This company owns the whole of the issued share capital of the Property Company. The premium received on the new capital was £35,700, and after deducting the cost of the issue there remained £24,484, which has been carried to a development reserve. This reserve has been charged with £15,139, the amount expended by the company during the year under this heading.

SOLIDOL CHEMICAL, LTD.—A petition by Lysol, Ltd., for the compulsory winding-up of Solidol Chemical, Ltd., was heard by Mr. Justice Maughan in the Chancery Division on November 17. The petition was dismissed with costs. Mr. Lionel Cohen, K.C., for Lysol, Ltd., stated that the debt was £172 17s. 8d., and submitted that it was based on a perfectly valid order made by the Registrar of Trade Marks in South Africa. Mr. Vaisey, K.C., for Solidol Chemical, Ltd., read an affidavit by its managing director, denying that the company was insolvent. It had, he said, a surplus in cash and marketable securities exceeding by over ten times the amount of its liabilities. The affidavit went on to declare that the petition was brought by trade rivals to embarrass their competitors. Lysol, Ltd., applied in South Africa for the registration of a disinfectant, and notice of opposition was given by the respondent company. The Registrar ordered the respondent company to give security for costs in

£200. The company said the amount was excessive, and disputed the Registrar's jurisdiction. As the deposit was not made the Registrar dismissed the opposition and ordered Solidol Chemical, Ltd., to pay the costs, which it said he was not competent to do. It was on these costs that this petition was based. The case for Solidol Chemical, Ltd., was that it was a disputed debt, that it should have an opportunity of disputing it in this country, and that the question could not be fought out on a winding-up petition. Mr. Justice Maughan said that the resistance to this claim was a perfectly *bona-fide* one by a completely solvent company which should be given an opportunity of disputing the debt. The petition ought never to have been launched against a company of the solvency of the Solidol Co., and it would be dismissed with costs.

Voluntary Liquidation

Hazel & Robson, Ltd., 14 Water Street, Liverpool, chemists.—The statutory meeting of the creditors of the above was held on November 14, at the offices of the Association of Manufacturing Chemists, 2 Bixteth Street, Liverpool. Mr. Parkin S. Booth submitted a statement of affairs, which showed ranking liabilities of £517 2s. 4d., of which £447 2s. 4d. was due to the trade and £70 to cash creditors. After allowing £72 17s. 8d. for preferential claims, the net assets were £199 2s. 4d., or a deficiency so far as the creditors were concerned of £318. The assets comprised cash at bank, £22; stock at cost £250, estimated to realise £150; fixtures, fittings, etc., £127, expected to produce £50; and book debts, £60 8s. 3d., valued at £50. Mr. Booth reported that the company was formed in 1910 and commenced trading at Rumford Street, Liverpool. Later the business was transferred to the present address in Water Street. Proper books had been kept and regularly audited. In 1927 the sales were £1,971, in the following year they were £1,928, and in 1929 they fell to £1,734. During the last two years losses had been incurred of £42 and £186 respectively. Between January 1 and July 19 of the present year the turnover was £761, with a loss of £216. The creditors passed a resolution confirming the voluntary liquidation of the company, with Mr. Booth and Mr. E. K. Williams as joint liquidators. A committee was also nominated consisting of the representatives of Ayrton, Saunders & Co., Ltd., R. Sumner & Co., Ltd., and John Thompson (Wholesale Druggists, 1921), Ltd. The principal creditors are:—Ayrton, Saunders & Co., Ltd., £136; Bristow, T. F., & Co., Ltd., £18; Coate & Co. (Axminster), Ltd., £16; Hatrick, J. L., & Co., Ltd., £15; Sumner, R., & Co., Ltd., £35; Thompson, John (Wholesale Druggists, 1921), Ltd., £102.

Business Changes

TIMOTHY WHITES (1928), LTD., have opened a branch at 25-26 High Street, Gravesend.

MUNDET CORK PRODUCTS, LTD., have removed to 12-18 Abbey Street, Tower Bridge Road, London, S.E.1. Telephone: Rodney 2564.

MR. N. HARRISON, chemist and druggist, Rhos-on-Sea, has purchased the business of Mr. A. W. Noddings, chemist and druggist, 173 Alexandra Road, Manchester.

Gazette

Bankruptcy Acts

RECEIVING ORDER

HONEYWILL, C. & W. R., 98 Great Tower Street, London, E.C., produce merchants.

Pharmaceutical Society of Great Britain

London Evening Meeting

THE first evening meeting of the present winter session was held in the lecture-theatre, 17 Bloomsbury Square, London, W.C.1, on November 18, the president (Mr. A. R. Melhuish) in the chair. Supporting the president were Mr. A. H. Jenkin (member of the Society's Council) and Mr. H. N. Linstead (secretary). Despite inclement weather and counter-attractions, the lecture-theatre was practically full. Among those present were Mrs. Melhuish, Mrs. and Miss Keall, Mrs. E. White, Dr. C. H. Hampshire, Dr. Tainter (San Francisco), Messrs. E. T. Brewis, C. E. Corfield, R. Fouracre, F. G. Hobart, J. Keall, C. A. Noble, P. A. W. Self, and T. E. Wallis.

The PRESIDENT, in a few opening remarks, said he had much pleasure in extending a hearty welcome to those present. Dr. Linnell, he thought, required no introduction from him. In his view it was a fortunate circumstance that Dr. Linnell was delivering the first of the present series of lectures. Dr. Linnell was one of their own staff, and his subject was a very important one at the present time. The lecturer was doing valuable work in connection with revision of the British Pharmacopœia. He had much pleasure in calling on Dr. Linnell to deliver a lecture on:—

The Purity Standards and Tests of Medicinal Substances

[ABSTRACT]

My membership of the Pharmaceutical Chemistry Subcommittee concerned in the revision of the British Pharmacopœia makes it necessary for me to state that my remarks must be interpreted as personal.

Medicinal substances may be divided roughly into three groups: chemical identities, natural products, and galenical preparations; but the same definition of purity is applicable to all three. It may be defined as a state of non-admixture or freedom from any foreign matter, and is essentially a negative quality. Lithium occurs as lithium aluminium silicates which are widely distributed through various geological strata. Lithium carbonate might be expected to contain Cu, Fe, Al, Zn, Mg, Na, Ca, chlorides and sulphates. The present official requirements are: "Yields no reactions for Cu, Fe, Al, Zn, Mg, or chlorides, and not more than the slightest reaction for Ca and sulphates." Let us turn to a natural product and take olive oil as an example. The only part of the present monograph which demands freedom from foreign matter is the definition of the product as the oil expressed from the ripe fruit of *Olea europæa* and refined. The present official requirements for olive oil do not distinguish it from a pure sample of tea seed oil. The case is still more complex when we turn to galenical preparations.

LEGAL POSITION OF THE PHARMACOPŒIA

Before we consider the subject of standards it is necessary to review the legal position of the Pharmacopœia. This has already been done by Messrs. Corfield and Self in a paper before a previous meeting held on April 17, 1923. The authors enumerated many deficiencies of the Pharmacopœia when regarded as a standard chiefly arising through the vagueness with which many of the tests are worded—a vagueness which might give rise to differences of opinion between analysts. By following the methods outlined it is not difficult to prescribe reasonable standards for stable chemicals, but the problem is more difficult when dealing with substances unstable in air. Standards prescribed for natural products are based upon experience gained over many years, and here the variations met with in authentic specimens make it necessary to prescribe ranges for all values. This may open a loophole for the marketing of different qualities of the

substance, all of which may satisfy the official requirements, but as long as the product is stable, no hardship will result. On the other hand, it is known, for instance, that many fixed oils become rancid, and that an increase in the acid value is attendant upon this change. Galenical preparations present new difficulties, and this is especially so with regard to those preparations which a retailer may reasonably expect to make in the pharmacy. Messrs. Self and Corfield, in a paper on the "Correlation of Analytical Data and Accuracy in Dispensing" (*C. & D.*, 1928, I, 202), have shown that the average practical error in measuring quantities in appropriate stamped measures was between 2 and 3 per cent. In my opinion sufficient details should be given in the quantitative determinations to eliminate as far as possible differences in results due to variation in good technique.

TRACES OF IMPURITIES

The means available for the limitation of small quantities of impurities need careful consideration. The difficulties of determination, and hence the possibilities of disagreement between analysts, are inversely proportional to the amount tolerated. The present Pharmacopœia, in a large number of cases, uses the expressions "no reactions" or "not more than the slightest reactions" or some variant of the latter phrase to limit the amount tolerated. Many of the tests enumerated in Appendix IV may be considered to possess this sensitivity, but some are much more sensitive and others much less sensitive. For instance, the tests for lead are four in number, the reagents being HCl, H₂S, dilute H₂SO₄ with or without the addition of alcohol, and K₂CrO₄. None of these tests is entirely specific for lead, and interfering substances would have to be removed, and each test possesses a different sensitivity. The approximate solubilities at 18° C. of the substances formed in the above tests are as follows:—

	Solvent	Grams per litre at 18° C.
Lead chloride	water ..	9.34
	1 per cent. aq. HCl ..	2.00
	1 per cent. aq. KCl ..	4.00
Lead sulphate	water ..	0.04
	N/100 H ₂ SO ₄ ..	0.005
Lead sulphide	water ..	0.0086
	water ..	0.0001
Lead chromate	N/2 HCl ..	0.0001
	.. ..	0.323

Thus the solubility of lead chloride in water is 93,000 times that of lead chromate; 10,860 times that of lead sulphide, and 235 times that of lead sulphate. It cannot be assumed that the respective sensitivity of the tests is represented by those figures, because application of the tests depends upon the limiting power of vision to observe a precipitate. This exercises a levelling influence upon the different sensitivities.

Another important factor emerges from these figures; the solubilities are effected by the presence of other substances; the solubility of lead chloride is reduced in presence of hydrochloric acid or potassium chloride; lead sulphate is ten times more soluble in water than in N/100 sulphuric acid; and the solubility of lead chromate is increased 3,230 times in presence of N/2 hydrochloric acid. Barium sulphate furnishes a further illuminating example:—

	Solvent	Grams per litre at 20° C.
Barium sulphate	Water ..	0.0024
	5 per cent. aq. FeCl ₃ ..	0.1600
	5 per cent. aq. AlCl ₃ ..	0.1700
	5 per cent. aq. MgCl ₂ ..	0.0500
	N/10 HCl ..	0.0890
	N/10 HNO ₃ ..	0.1070

It can be deduced from the above examples that, in order to devise a limit test which will give the same result in the hands of different analysts, it is necessary to define accurately the following variants:—(1) The concentration and amount of solution used; (2) the concentration and amount of reagent used; (3) devise a means of eliminating the possibility of two analysts reaching different conclusions on application of the test due to different powers of vision. The present Pharmacopœia provides one or two examples of tests which satisfy these conditions.

The Pharmacopœia limits the amount of carbonate present in sodium bicarbonate by the following test:—"When 1 gm. of sodium bicarbonate is dissolved in 20 millilitres of cold water without shaking, and 0.2 millilitre of *N*/1 solution of sulphuric acid and 2 drops of solution of phenolphthalein are added, no red colour is immediately developed." Here the amount of standard sulphuric acid added is equivalent to 2.12 per cent. of Na_2CO_3 , and the test is designed to tolerate that quantity and to indicate excess. The approximate hydrogen-ion concentration of solutions prepared under the conditions of this test, but with known amounts of sodium bicarbonate and sodium carbonate, are:—

Twenty mls. NaHCO_3	H_2O contain Na_2CO_3	Equivalent to NaHCO_3 containing percent. Na_2CO_3	Ml. $\text{N.H}_2\text{SO}_4$	Approximate PH
1 gm. ..	0	0	0	8.37
1 gm. ..	0.04 gm.	4 per cent.	2 ml.	8.30
1 gm. ..	0.06 gm.	6 per cent.	2 ml.	8.60
1 gm. ..	0.08 gm.	8 per cent.	2 ml.	9.00
1 gm. ..	0.1 gm.	10 per cent.	2 ml.	9.30

As phenolphthalein is colourless at PH 8 and fully pink at PH 10, the full pink colour is not developed in any of the above experiments, and it is not possible to state that a pink colour is developed immediately until the sodium bicarbonate contains over 4 per cent. of carbonate. A solution of pure sodium bicarbonate should give a very faint pink colour, with the indicator, and a 0.005-per-cent. solution of sodium carbonate has a hydrogen-ion concentration of over 10, hence a superficial consideration would indicate that the test should work. However, a close inspection of the titration curve of carbonate with acid provides support for the fact that the test is not sensitive to the presence of 4 per cent. of Na_2CO_3 in NaHCO_3 . The presence of this amount of sodium carbonate would be excluded by the assay which states that 1 gm. requires for neutralisation not less than 11.7 or more than 11.9 millilitres of *N*/1 solution of sulphuric acid. 1 gm. of sodium bicarbonate containing 4 per cent. of sodium carbonate would require 12.9 millilitres of normal acid. This test fails because the scientific facts have been incorrectly applied. To the best of my knowledge this test has never before been criticised, probably because experience has shown that it was rarely instrumental in condemning samples.

Discussion

The PRESIDENT said the lecturer had showed them that he possessed the academic mind as well as the mind of the practising pharmacist. Referring to olive oil, Mr. Melhuish asked the lecturer how he would deal with the question of standard.

Mr. EVERS said that definite standards could not get rid of the personal element. They depended entirely on their own judgment as to what were "slightest reactions."

Mr. SELF congratulated Dr. Linnell on the clear way he had put the difficulties confronting those who were engaged in revision of the Pharmacopœia. He thought that in the next Pharmacopœia everything that should have a limit would have one.

Mr. BREWIS said the lecture was a most interesting one and a tolerant *résumé* of the subject.

Mr. SAGE said he first made his acquaintance with the B.P. in 1867. At the present time a great many things in the Pharmacopœia should be abolished. When dealing with subjects as varied as pharmacy and laboratory practice they had to rely on personal opinion.

Dr. LINNELL, in reply, said with regard to the president's question he did not know how many samples of tea seed oil were masquerading as olive oil, but he suspected a lot. In answer to Mr. Evers, he would exercise his own opinion as an analyst.

Mr. A. H. JENKIN proposed, and Mr. BERNARD HOWARD seconded, a vote of thanks to the lecturer, which was carried with acclamation.

Welsh College of Pharmacy

IN the presence of a large and representative gathering, Mr. E. H. SIMMONS (member of the Pharmaceutical Society's Council) delivered the twelfth annual sessional address to the Welsh College of Pharmacy, at the Technical College, Cardiff, on November 12. The chair was taken by Mr. FRANK FIFOOT (deputy-chairman of the Technical College Committee), who called upon Principal Charles Coles, B.Sc., to give his report.

Principal COLES remarked that the session 1929-30 was a memorable one, in that during that session very important changes in the system of examinations were brought into force by the Pharmaceutical Society. If a candidate passes under the new system of examination there is no question but that he has been well trained. No less than sixty-seven successes in all were achieved in the first year of the new examination system, and much credit was due to the head of the department, Mr. Vernon Lloyd, B.Pharm., Ph.C., and his staff. Principal Coles expressed the hope that the time would not be far distant when the University of Wales would give a chance to its young Welsh students by instituting a degree in pharmacy within the University.

The prizes and medals were distributed to the winners by the deputy Lord Mayor of Cardiff (Councillor G. J. Ferguson), who was accompanied by Mrs. Ferguson. The prizes were as follows:—The Hagon Medal, Arthur C. Blackburn; silver medal (presented by the Cardiff Pharmacists' Association and local Branch of the Pharmaceutical Society), Stanley Jones; bronze medal (also presented by the above-mentioned bodies), William Henry Myers; pharmacy prize (presented by Mr. Alec S. Johnson), Sidney Ernest Wignell; pharmacognosy prize (presented by Mr. Francis D. Phillips), Sidney Forrest; general excellence prize (presented by Mr. Ernest Ward), William John Jarman.

Mr. E. H. SIMMONS, in addressing the gathering, referred to the work of the Benevolent Fund. The Society's policy, he said, so far as the final examinations were concerned, had always been that a few well-equipped, well-staffed schools were infinitely better than a number of weaker ones. Mr. Simmons spoke on the new system of examinations and the proposal to raise the educational standard of entrants to the profession to that of matriculation. He suggested that a panel of pharmacists might be formed consisting of those willing to train apprentices and having the necessary conveniences with which they might properly carry out their obligations in the articles of pupilage. He urged the importance of giving the apprentices better training, so that when they went to college the lecturers would not have to spend so much valuable time teaching elementary pharmacy. It has been suggested, he said, that botany should give place to some other subject. In Cardiff they had a course in zoology. A knowledge of serums, insulin and the various vaccines would be invaluable to all pharmacists. He congratulated the School on having grown to such an extent.

Councillor H. M. LLOYD, J.P. (Merthyr) proposed a vote of thanks to Mr. Simmons and to Councillor G. J. Ferguson. In seconding the vote of thanks, Mr. ALEC S. JOHNSON paid a tribute to Principal Coles for his work in connection with the advancement of pharmacy. Alderman G. FRED EVANS (chairman of the Cardiff Education Committee) supported the vote. A vote of thanks to Mr. Fifoot and to Principal Coles was proposed by Mr. FRANCIS D. PHILLIPS (Haverfordwest) and seconded by Mr. S. W. HAGUE (Cardiff).

Festivities

Birmingham Association Dinner

THE attendance of members at the annual dinner of the Birmingham Pharmaceutical Association and the Birmingham District Branch of the Pharmaceutical Society, at the Grand Hotel, on November 12, was regarded as disappointing by officials of the Society, the cause for non-attendance being attributed to depressed trading conditions. Mr. H. Berry (president) was in the chair, and was supported by Dr. F. A. L. Burges (chairman of the Birmingham Insurance Committee), Mr. F. Gladstone Hines (vice-president of the Pharmaceutical Society), and Alderman J. Poole. Proposing the toast of "The Pharmaceutical Society," Dr. F. A. L. Burges said that honour had been conferred on the Society in Birmingham by the elevation of Mr. Poole to the aldermanic bench. Records showed that physicians and druggists had had disputes because the latter prescribed; the doctors did not win that dispute, because during the Plague of London they deserted their posts, leaving the work to be done by the druggists. Responding, Mr. Hines said the Society had accomplished much good work during its existence. The Society could claim to have carried out all its objects. Discussing the statement that legislation was likely to be introduced dealing with the sale of drugs, Mr. Hines said the draft Bill was not acceptable to them as pharmacists. The proposed legislation was a matter involving the vital interests of pharmacists, and the Council looked to Birmingham for every support in facing the crisis. The toast, "The Guests," was proposed by Mr. Berry, and was responded to by Mr. F. J. Gibson (Wolverhampton). Mr. E. W. Mann proposed a toast to Alderman Poole on his promotion.

Script Sports Club Dinner

THE Script Sports Club annual dinner took place at the Hotel Russell, London, W.C., on November 13, Mr. Herbert Skinner in the chair. The chairman was supported by Mr. J. Hearle (secretary of the club), Messrs. J. Humphrey, Lawman, Downing, Swanston, Walters, Tocher, Milner, Young and many other pharmaceutical sportsmen. The dinner this year was a reversion to the old form—no dance, no speeches, and for men only. The entertainment after the dinner was given by members—Messrs. Kain, Proudlock, Hope, Darby and Bowie. Prizes and trophies were distributed as follows:—Glaxo cup, for team bowls, won by the Northern team for the ninth time in fourteen years; the skip was Mr. W. B. Dow, but owing to his absence Mr. J. McRostie received the cup. The four miniatures presented by the House of Glaxo to each member of the winning team went to Messrs. Perrett, McRostie, Gaskell and Dow. An extra miniature was presented by the team to Mr. T. Rawlins, who had played in the earlier rounds of the tournament, but not in the final. Two prizes were presented by "The Script" to the winners of the pairs competition in bowls, the winners being the Western Association, represented by Messrs. J. C. Berry and W. Wilkinson. The president's prize was won by Mr. W. Ralph (South-Eastern Association). The runner-up prize, presented by Duncan, Flockhart & Co., was won by Mr. W. Wilkinson, of the Western Association. The Maw challenge shield for shooting was won by the Northern team (Captain, Mr. A. G. Felton). Six silver spoons, presented by the House of Maw to the winning team, were received by Messrs. A. G. Felton, R. A. Evans, G. G. Gibson, A. R. C. Honiatt, W. E. Swanston and J. V. Walters. The Keall cup for the highest individual average obtained in the (three) qualifying rounds of the team shooting tournament, was awarded to Mr. G. G. Gibson, of the Northern Association. The "Script" spoon to the holder for the previous year on surrendering went to Mr. J. E. Monaghan, of the South-Western Association. The winners of the monthly spoon were Messrs. J. Deas, A. G. Felton, A. R. C. Honiatt (2), G. G. Gibson (2), J. Chalmers, R. F. Edkins, A. M. Garden, J. E. Monaghan and J. Walters. The billiards, snooker, tennis and golf competitions

had not taken place. The Illingworth cup for golf open championship again went to a lady, Mrs. W. E. Swanston, with an average over ten cards of 4.8 over bogey, Mrs. Deas being the runner-up with an average of 4. The London challenge cup for international contest in bowls at the British Pharmaceutical Conference was won by England, and the replicas were presented to the team, Messrs. J. Reed (skip), West Ham; E. Poole, Cardiff; D. W. A. Desmond, West Ham; J. Milner, South-Eastern. The replica for the Edmund White trophy in golf at the Conference was presented to Mr. Cyril Thomas, the holders. The Victor Luddrum cup, presented by Vinolia, Ltd., was awarded to Mr. W. Gray, Walthamstow, for general sportsmanship, excellence in golf, quoits and bowls.

Association Meetings

Cardiff.—The monthly meeting of the Association and local Branch of the Pharmaceutical Society was held on November 13, Mr. E. A. Ward (president) in the chair. In view of correspondence from the secretary of the British Pharmaceutical Conference stating that the Conference was not desirous of possessing a chain of office for their presidents, it was unanimously agreed to accede to their request, and to present to the Conference a suitably-inscribed chairman's gavel or hammer. Mr. Malcolm Davies proposed, and it was agreed, that a letter be sent requesting the Pharmaceutical Society's Council to take all necessary steps to retain to the chemist and druggist the title "chemist" in view of the steps being taken by the Institute of Chemists.

Colchester.—A meeting of the East Anglian Federation of Pharmacists was held on November 6 at Colchester. Mr. F. G. Wells (a member of the Pharmaceutical Society's Council) gave a detailed explanation of the proposed Pharmacy Bill. A discussion took place, and Mr. Wells answered questions. After the meeting a dinner was held conjointly with the Colchester Pharmaceutical Association, Mr. A. W. Nunn (president) in the chair. The toast of "The Pharmaceutical Society" was proposed by the chairman and responded to by Mr. F. G. Wells. The toast of "The Retail Pharmacists' Union" was responded to by Mr. G. W. Hales (president of the East Anglian Federation and Group Executive, R.P.U.).

Edinburgh.—The opening meeting of the fifty-third session of the Edinburgh Chemists' Assistants' and Apprentices' Association was held at 36 York Place, Edinburgh, on November 12, Miss I. A. Purdie, Ph.C. (vice-president), in the chair. Mr. Thomas W. Strachan (secretary) reported that the summer session had been highly successful. The Cumming prize for practical dispensing, presented by Dr. John Cumming, had been awarded to Mr. J. Rennie (pupil of Mr. Palfrey, Alloa); the second prize, presented by Mr. J. J. Blackie (president), was awarded to Mr. J. Mackenzie (pupil of Mr. Hughes, Elgin); the Dey prize in physics and chemistry, presented by Mr. A. J. Dey, was awarded to Mr. A. L. S. Fleming pupil of Mr. Ferrier, Bathgate), as was also the Duncan botanical prize, presented by Mr. A. Currie, Ph.C. Dr. J. G. Tait, Ph.C., in presenting the prizes to the successful candidates, congratulated them. On the motion of Mr. Archibald Currie, a cordial vote of thanks was awarded to Dr. Tait. Mr. J. J. Blackie, Ph.C., A.I.C. (president), then gave his inaugural address on *Some Therapeutic Substances*. Mr. Blackie said pharmacy had had more than its share of legislation during the last ten years. One Act, however, the Therapeutic Substances Act of 1925, had so far not affected the retail pharmacist. It had been suggested that the examination syllabus should be extended to include other subjects, a knowledge of which was said to be necessary if the true nature of the substances dealt with under the Therapeutic Substances Act was to be properly understood by the qualified pharmacist. He was of opinion that there was quite sufficient already in the syllabus.

Draft Pharmacy Bill in North London

THERE was a good attendance at a meeting of the North Metropolitan Branch of the Pharmaceutical Society, held at the North Library, Manor Gardens, Holloway, on November 18, when Mr. E. T. Neathercoat, C.B.E., past-president of the Society, delivered an address on the draft Pharmacy and Poisons Bill. Mr. J. C. Young presided. Among those present were Mrs. Neathercoat, Mrs. Young, Messrs. Hardy (ex-president of the Pharmaceutical Society of Northern Ireland), J. Humphrey and H. Skinner.

Mr. Neathercoat's Address

Mr. NEATHERCOAT said the draft Bill was probably the chief topic in pharmaceutical gatherings at the present time. He did not know whether pharmacists understood it, and he, personally, was not sure that he himself understood it. In spite of all that had been said and written since the memorandum was issued about March last, he had heard it said that to-day the pharmaceutical community was more or less indifferent to it. That was not the fault of the pharmaceutical Press, nor of the protagonists in the pharmaceutical debating societies, for there was a tremendous amount of discussion going on in the country with regard to the Bill. Many persons, when they were discussing the privileges pharmacists were supposed to have lost, or to be in danger of losing if the Draft Bill became an Act, failed to take into serious account the conditions that obtained at the time the Departmental Committee began its work four years ago. They failed entirely to make proper allowance for the atmosphere which pervaded the whole of pharmacy at that time, and they overlooked the pharmaceutical history of the last twenty-five years. They also failed to remember the antagonism which existed in public bodies, interested organisations of traders, and in practically all circles outside pharmacy against what were considered to be the exclusive powers of the Pharmaceutical Society with regard to the registration of poisons, and the monopoly held by chemists in the sale of ordinary poisons. But in spite of all that had been said concerning the draft Bill, the Society had come out of the difficulties connected with it without any damage to its prestige.

The time had come when pharmacists must be recognised as something more than mere sellers of poisons. Dealing with the suggestion that pharmacists were to lose their right to schedule poisons, Mr. Neathercoat said the Society had never satisfied anybody with the way in which it had carried out this work. He viewed the proposed removal of the irksome duty of scheduling poisons to a Board on which all interests would be represented as a distinct gain to public administration, and also to pharmaceutical peace. In his opinion, five good pharmaceutical representatives on the Board, if they were worth their salt, should be able thoroughly to protect pharmaceutical interests; and if they could not put the case for those interests fairly and convincingly before the Poisons Board it could not be a case that pharmacists were entitled to win on merely because they happened to have a majority vote.

Who were going to be the sellers of poisons? The same people who in the main had been able to sell them before without a licence, without a regulation, and without the payment of fees. In the new Bill these very people were going to be regulated, and inspected, and would have to apply for their licences and pay for them. He very much doubted whether, after a time, when the newness of the situation had worn off, and the stringency of the regulations had had its effect, many of the vendors would apply for a renewal of their licences.

Dealing with Part I of the Bill, Mr. Neathercoat said it was in that part where were to be found the pharmaceutical gains. First of all, the Society was left the central authority and the controlling head of the pharmaceutical profession. There was the new constitution of the Council. In his opinion that change of constitution, introducing, as it would, nominees of the

Privy Council with the scientific and educational point of view, would add dignity, power and prestige to the Council. With regard to compulsory membership, which he had seen pointed out as a not unmixed blessing, he believed it was long overdue, for it was one of the most desirable things that could possibly happen to the pharmaceutical community. Another great gain was the compulsory registration of premises. The Bill needed considerable amendment before it would be acceptable to pharmacists. He thought it would be a good thing if they could get some form of reservation of dispensing to pharmacists. He would also like to see agricultural and horticultural poisons reserved to *bona-fide* dealers who were now dealing in such poisons. He wanted a tightening up of the method of compiling the list of sellers. Direct application should not be regarded as sufficient.

Discussion

Mr. L. ALTER raised the question of the proposed pharmaceutical representation on the Poisons Board. He expressed the view that if, as Mr. Neathercoat had suggested, five representatives, though a minority, were sufficient to carry the opinion of the Board, one representative might suffice for the same purpose.

Mr. NEATHERCOAT replied that he did not agree, for it was obvious that five representatives would carry more weight than one in an attempt to influence the decisions of the Board.

Mr. J. T. WALTERS asked what would be the position of the life member under any new Act.

Mr. NEATHERCOAT: I think such rights as he has to-day will be preserved for him in the future. You must remember that at the time they paid their money they did not know how long they were going to live.

Mr. LINDSEY said the time was now ripe for putting dispensing in hospitals on a different level altogether from dispensing in doctors' surgeries. If pharmacists were not strong enough to tackle the latter type of dispensing, they were strong enough to tackle dispensing in hospitals. There lay one of the brightest opportunities for pharmacists.

Mr. NEATHERCOAT said he hoped a distinct advance would be made in the direction indicated by Mr. Lindsey.

Mr. SKINNER said what Mr. Neathercoat, and, indeed, every member of the Council, felt was that pharmacists should take an interest in the draft Bill because it touched them all personally. The more they understood it the less likelihood there was that they would do as they had done before. It would be easy to wreck the Bill, but it would be a very wrong thing to do. He felt that they wanted to understand what the Bill meant to them, what advantages were to be gained by negotiation, and ultimately to produce a Pharmacy Bill that was well worth while. He was sure Mr. Neathercoat was with him when he pleaded that pharmacists should work solidly together. Public pharmacists were left out of the draft Bill altogether, except for the glorification of the Secretary of State. He, however, stood by the Society. Primarily, the Bill was a shop Bill, but there were means by which pharmacists could make it one in the interests of the whole of pharmacy. Mr. Skinner concluded by moving a vote of thanks to Mr. Neathercoat.

Mr. J. HEARLE, seconding, said that, in his opinion, it was not the sins of commission in the Bill to which objection could be taken by pharmacists, but the sins of omission. There were so many things they might have gained if the Committee's terms of reference had been wider. He referred to the Bill as "this terrible draft Bill."

Mr. NEATHERCOAT, returning thanks, pointed out that he had lived with this subject for three years, and therefore was immersed in the whole of its problems. What he had done was with a clear conscience. He had acted entirely on his own responsibility. He had done what he thought was the right thing and would leave the verdict to history. (Applause.)

Pharmacopœia Revision

Comments on the Report of the Pharmacy Subcommittee

We have received several important comments on the Report of the Pharmacy Subcommittee of the Pharmacopœia Commission in response to our request. A fourth instalment of these is now published.

(Continued from the C. & D., November 15, p. 614.)

By Harry Brindle, B.Sc.Lond., A.I.C., Ph.C.

IN the main the recommendations of the Pharmacy Subcommittee are such as will be acceptable to all practising pharmacists, as nearly all the changes suggested will effect improvements either in the process of manufacture or in the finished product. There are some points, however, which are worthy of further consideration.

EXTRACTS AND LIQUID EXTRACTS.—The frequently used direction to evaporate under reduced pressure will prevent the apprentice in the pharmacy from trying his hand at these preparations, and the pharmacist from making small quantities should he desire. Is the precaution always necessary when ordered, as, for example, in the preparation of dry extract of *cascara sagrada*? It would appear that the same end, i.e., the avoidance of overheating, could be attained by a statement that the evaporation should be carried out at a temperature not exceeding a certain figure. The difference between the operation conducted under ordinary pressure and under reduced pressure would then be one of time only and not temperature, and it is only where a little longer heating has been shown to be deleterious that evaporation under reduced pressure should be insisted upon. In any case, surely, "evaporate under reduced pressure" is meaningless and useless unless either the temperature or the pressure is specified. Possibly it is the intention to add maximum temperatures later. Only under **EXTRACTUM MALTI** and **EXTRACTUM SENNÆ LIQUIDUM** is the maximum temperature at which the distillation under reduced pressure is to be carried out mentioned.

EXTRACTUM CINCHONÆ.—It has presumably been decided that a variable amount of glycerin in the finished extract is of no consequence. It would be easy slightly to modify the process to produce an extract with a constant glycerin content.

GLYERINUM BORACIS.—The directions given might induce overheating. It should be sufficient to indicate that the preparation should be warmed gently, as with the majority of the glycerins.

INFUSIONS.—It is desirable that the concentrated infusions be included, as the preparations now in use are manufactured by a variety of methods. The concentrated infusions supplied to the pharmacist are often such that the diluted product scarcely at all resembles the fresh infusion. One is driven to the conclusion that the methods used by some manufacturers are unsatisfactory, or that the amount of drug used is less than eight times the amount ordered for the fresh infusion. If the processes are standardised by being included in the B.P., there should be less variation in the preparations sold.

TROCHISCI.—The direction to "dry in a hot-air chamber at a moderate temperature" is copied from the 1914 B.P., and is rather indefinite. A maximum temperature should be specified. This is especially the case with **TROCHISCUS PHENOLIS**, as much phenol may be lost by overheating.

WATERS.—As with infusions, it is necessary to admit concentrated preparations in order that there may be standards for preparations which have already been in use for many years. The directions for the preparation of concentrated waters, and from them of the waters, require overhauling. The oils used often form a perfectly clear solution in the alcohol employed. The addition of talc and filtration is not, therefore, always

required. The directions should read, "if necessary add the powdered talc," etc. Further, most, if not all, of the waters prepared by diluting the concentrated waters will not be clear, because of the precipitation of some of the oil. The distilled waters and the waters prepared from the oils by solution will be clear and bright, hence there may be a difference in the appearance of the same mixture according to the method used for the preparation of the water. This will cause trouble, and it would be advisable to add to the directions for the preparation of the waters by dilution, "filter if necessary to prepare a clear water."

By F. G. Hobart, Ph.C.

THE forthcoming British Pharmacopœia, although the fifth of the series bearing that title, will be the first produced with adequate pharmaceutical co-operation. One has, therefore, every reason for expecting a production which will, at least, be free from the grave defects which, in previous issues, resulted from the inclusion of formulas and processes which had not passed through the crucible of practical experience.

The first report of the very representative Pharmacy Subcommittee, which was appointed to act in conjunction with the Pharmacopœia Commission, and has completed an initial review of the pharmacy of a number of preparations, is a very encouraging document; the modifications suggested of existing formulas are modifications which have survived the ordeal of the dispensing counter and the manufacturing laboratory, whilst the innovations speak to that sound knowledge which is the fruit of ripe experience.

Hitherto, the exigencies of commerce have rendered almost unavoidable the existence of two standards, viz., official pharmacy and — pharmacy! This is a position which has neither made for uniformity nor enhanced the prestige of our imperial formulary. If, however, the recommendations contained in the report are followed, the Pharmacopœia of the future will at once maintain a high standard and harmonise with the best of existing practice. Apart from revision of specific formulas, two general proposals which will be widely popular are embodied in the report:—

- The extended use of concentrations, and
- the introduction of industrial methylated spirit for solvent purposes.

INFUSIONS.—The official recognition of concentrations, which comprise liquid extracts and liquors from which tinctures, etc., can be made by simple dilution, and a selection of concentrated infusions for drugs of which the fresh infusion has no claim to be of superior medicinal value, will bring the Pharmacopœia into line with, and so regularise, common current practice. Some criticism suggests itself, however, in regard to placing upon the dispenser the onus of deciding whether to dispense from a concentration when the prescriber has failed to append the qualification "recens" which it is proposed to apply to the fresh infusions. There should be a footnote to the effect that a dilution of the concentrated preparation is to be dispensed unless the fresh infusion is specified; this would end at a stroke the present unsatisfactory position.

LINIMENTS.—Adverting to the suggested use of industrial methylated spirit in belladonna liniment, it is rather peculiar there is no proposal that the other methylated liniments of commerce shall receive pharmacopœial recognition. One would like to see this done, and to

see, also, the principle just put forward regarding the dispensing of infusions applied equally to the liniments. Upon the prescriber should be the onus of specifying when he required a liniment made with rectified spirit, failing such a direction the methylated article to be supplied.

ALCOHOL.—The proposal to make 95-per-cent. alcohol the ALCOHOL of the Pharmacopœia will be convenient commercially; and although the dropping of all wines means the severance of a custom as old as pharmacy, the practice of using wine as a medium for certain galenicals has only tradition to recommend it.

GLYCERINS.—The preparation of glycerins will be greatly facilitated by expression of the quantities of glycerin by weight. The strength of GLYCERINUM PHENOLIS is slightly increased by the adjustment of quantities to a w/w basis; this is a disadvantage, as the original formula was too strong. The other glycerins referred to in the report may be applied undiluted to mucous membrane, and it would seem desirable to bring glycerinum phenolis into line. One recognises, of course, that this latter course could only be referred as a suggestion to the appropriate committee.

POWDERS.—A source of general satisfaction will be the proposal to replace magnesium oxide by magnesium carbonate in Gregory's powder, but the proposed replacement of potassium sulphate by lactose in Dover's powder seems to call for reconsideration; it has been

held that the time-honoured saline ingredient serves a useful medicinal purpose as a corrective, and there appears to be no good reason for the alteration.

NOMENCLATURE.—What, too, is the material advantage gained by the suggested alterations in the names of LIQUOR CALCIS and LIQUOR TRINITRINI? The new titles might be included as synonyms, but one finds difficulty in envisaging the use of the name LIQUOR CALCH HYDROXIDI by prescribers, let alone LIQUOR GLYCERYLIS TRINITRATIS. Such happy compromises as barbitone, hexamine, etc., will surely condone the retention of the old if less exact titles.

The suggestion that PARRISH'S SYRUP, CATAPLASMA KAOLINI, UNNA'S PASTE and MISTURA MAGNESII HYDROXIDI should receive the cachet of official recognition is very timely; these medicaments have won their place in modern practice, and their compositions will now be definitely standardised. Of the process of repercolation one can but say that it has few friends and fewer advantages, and its departure will be un mourned.

(To be continued.)

CORRECTION.—In the paper contributed to our issue of November 8 (p. 587) by Mr. H. Humphreys Jones, F.I.C., Ph.C., the first sentence regarding the evaporation of extract of aloes under reduced pressure should have ended with the words "to ensure maximum medicinal activity," not as printed.

Draft Pharmacy and Poisons Bill

THE following report has been supplied by the Pharmaceutical Society of Great Britain:—

A conference of representatives of the principal organisations of the drug trade to discuss with the Council of the Pharmaceutical Society the report of the Departmental Committee upon the Poisons and Pharmacy Acts was held at the Holborn Restaurant on November 14. The meeting commenced at 10 a.m., and, with an interval for lunch, continued until 5.30 p.m. Mr. A. R. Melhuish, president of the Pharmaceutical Society, presided, and those present were:—Mrs. Freke, and Messrs. H. Antcliffe, H. P. Arthur, W. J. Beardsley, F. W. M. Bennett, R. K. Bennett, W. Bennett, M.P., F. E. Bilson, F. E. Bullen, E. C. Carr, W. H. Clubb, W. Deacon, A. A. Dick, P. M. Duff, H. England, W. Forster, J. E. French, F. W. Gamble, T. Guthrie, J. Hague, T. Hardy, C. A. Hill, J. R. Hill, F. Hindle, F. G. Hines, F. G. Hobart, B. F. Howard, J. T. Humphrey, J. Jack, J. Keall, R. W. Lindsey, H. N. Linstead, G. A. Mallinson, H. G. Macmillan, W. G. McNab, J. McVittae, T. Marns, H. H. Marshall, H. J. Martin, A. Mortimer, A. Murray, E. S. Peck, F. O. Phillips, P. F. Rowsell, W. I. Scholes, E. H. Simmons, C. Simpson, H. Skinner, S. J. Stearn, E. S. Waring, J. Weir, F. G. Wells, and A. E. Young. They represented the following organisations:—The Pharmaceutical Society of Great Britain (including the North British Executive), the Retail Pharmacists' Union, the Scottish Federation, the Wholesale Drug Trade Association, the Guild of Public Pharmacists and the Company Chemists' Association. The order of business was based upon a memorandum previously circulated by the chairman.

The Conference first passed the following two general resolutions:—

(1) The representatives of the Pharmaceutical Society of Great Britain, the Retail Pharmacists' Union, the Scottish Pharmaceutical Federation, the Wholesale Drug Trade Association, the Company Chemists' Association, and the Guild of Public Pharmacists present at this Conference, record their opinion that it is of outstanding importance that those organisations shall be agreed upon a common policy towards the report of the Departmental Committee and the draft Bill annexed to it.

(2) This Conference considers the draft Bill prepared by the Departmental Committee on the Poisons and Pharmacy Acts unsatisfactory, and declares that it is unacceptable in its present form. It is of opinion that there are valuable proposals in the Bill, and that it should be possible to

secure amendments which will render the Bill as a whole acceptable. It considers that the correct course is to take the Bill as a basis and frame the necessary amendments with a view to securing their inclusion in the Bill before its introduction into Parliament. It further considers that every endeavour should be made to secure the widest measure of agreement upon the amendments, both among the organisations represented at the Conference and other organisations known to be in sympathy with the proposals, in order to secure if possible that the Bill shall be introduced by the Government as an agreed Bill.

After a discussion of each, the Conference agreed upon the following points as being the main reforms to be advocated:—

- The regulation of the dispensing of medical prescriptions, wherever undertaken.
- The reservation of the supply by retail of potent preparations to the pharmacist.
- The manufacture of potent pharmaceutical preparations to be under the supervision of a pharmacist or a person having an adequate qualification.
- Unqualified persons to be prohibited from using misleading titles.
- Inspection of chemists' shops to be effected by pharmacists under the control of the Society.
- The Society to have more definite control over the conditions under which apprenticeship is served.
- The limitation of the poisons to be included in Part 2 of the Poisons List.

The Conference then proceeded to a discussion of the following detailed proposals contained in the Bill in the light of these decisions. The matters discussed were:—Compulsory membership of the Pharmaceutical Society, the addition of nominated members to the Society's Council, the registration of premises, the creation of the Statutory Committee for disciplinary purposes and its functions, the creation of the Poisons Board, the classification of poisons in the Poisons List, the regulation of dispensing, the inspection of shops and laboratories, and the control of apprenticeship. Upon all the main points discussed definite decisions were reached, and it was understood that it would be in the light of these decisions that the Council of the Society would proceed with the redrafting of the Bill which they now have in hand. At the conclusion of the Conference a vote of thanks to Mr. Melhuish for his services as chairman of the Conference through its six-hour sitting was proposed by Mr. C. A. Hill, seconded by Mr. H. H. Marshall, and carried with acclamation.



EXTERIOR AND INTERIOR OF THE RECONSTRUCTED BRANCH OF LEWIS & BURROWS, LTD., IN NEW OXFORD STREET, LONDON, W.C. THE FITTINGS WERE DESIGNED BY THE LATE MR. WHITEMAN (S. MAW, SON & SONS, LTD.), IN 1883, AND HAVE BEEN MODERNISED BY MESSRS. POLLARD. THE PHARMACY POTS WERE SPECIALLY MADE BY DOULTON & CO., LTD., WHEN THE SHOP WAS FIRST OPENED.

Trade Notes

LEMSKIN.—Milner & Coke, Ltd., 11 John Penn Street, London, S.E.13, are making a bonus offer in connection with their Lemon Skin Tablets.

CONTINENTAL LABORATORIES, LTD., 30 Marsham Street, London, S.W.1, are the distributors of Taxol, a preparation for the treatment of constipation.

POWDER PUFFS.—William Edwards & Sons, 14 Nile Street, City Road, London, N.1, have an excellent selection of powder puffs suitable for Christmas trade.



PENETROL.—We referred in our issue of October 18 to the advertising campaign which W. B. Cartwright & Co., Ltd., Rawdon, Leeds, were about to commence in connection with Penetrol. The accompanying drawing is taken from one of the striking advertisements which have already appeared. The company inform us that excellent results have been obtained from this publicity, and chemists who desire to link up their displays with the scheme can obtain some attractive show material on application. The announcements in the national Press are, we understand, to be continued until the end of April 1931.

DARWINS, LTD., Eros House, 29 Regent Street, London, S.W.1, announce reductions in the prices of their safety razor blades. Chemists should send in applications for adjustment on their present stock by December 1.

WAITE'S LOCAL ANÆSTHETIC.—The Amalgamated Dental Co., Ltd., 7 Swallow Street, Piccadilly, London, W.1, are the wholesale distributors in this country, Australia and New Zealand of Waite's local anæsthetic and kindred preparations.

STAFFORD ALLEN & SONS, LTD., Cowper Street, London, E.C.2, undertake the manufacture of preparations of a pharmaceutical nature for those who have not facilities for so doing. The company has up-to-date plant, a highly-trained staff, and nearly a century of experience.

WIGGLESWORTH, LTD., manufacturing chemists, West-houghton, Lancs, give on another page an illustration of their lavender coffrets, which, it is stated, are "designed to appeal where generous intentions are embarrassed by limited means."

COATES & COOPER, 41 Great Tower Street, London, E.C.3, are the agents for a new preparation in tablet form, named Sedicyl, which is stated to be specially indicated in climacteric disturbances. Elsewhere in this issue the firm give some particulars regarding Disulphamin.

ELECTRA RAY SHAMPOO.—Electra Ray shampoo powders are packed in a perforated tear-off package, and retail at a popular price. Further particulars and details of a bonus offer are given in the advertisement pages. The distributors are D. D. D. Co., Ltd., 3 Fleet Lane, London, E.C.4.

DAYMARK RAZOR BLADES.—W. J. Myatt & Co., Ltd., Argent Works, Graham Street, Birmingham, inform us that the 5s. Christmas packing of Myatt Daymark Blades contains twenty blades, and not fifty as stated in an advertisement in last week's issue.

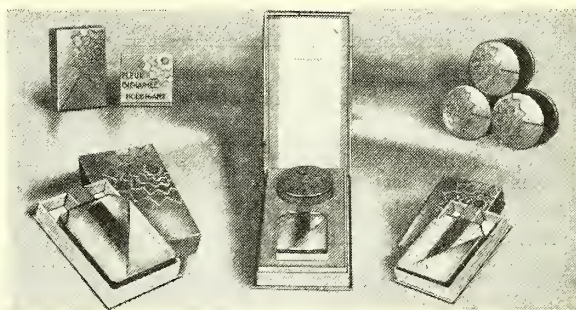
EUCRYL DENTIFRICES.—A well-illustrated list has been issued by Eucryl, Ltd., manufacturing chemists, Southampton. It gives details of the prices of Eucryl

Tooth Powder, Tooth Paste and Denture Powder, and the illustrations embody a display for a window, and another for a counter-screen. The Eucryl bonus terms are also given.

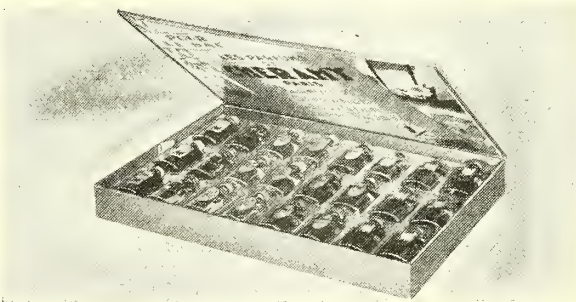
W. BREDT, LTD., 38 Great Tower Street, London, E.C.3, are the agents for Quadronal and Quadro-Nox. The former is an analgesic and the latter a hypnotic. Both are largely prescribed and much appreciated by the German medical faculty.

KHASANA PERFUMES.—Khasana, Ltd., Bunhill Row, London, E.C.3, are offering various popular perfumes packed in sizes suitable for carrying in a hand-bag. Khasana miniatures, which are available in two sizes, are packed in attractive display outers containing one dozen, the larger size being also boxed singly. There is a bonus on orders for three dozen.

HOUBIGANT'S LATEST CREATION.—Parfumeries de Paris, Ltd., Larden Road, Acton, London, W.3, have drawn our attention to the new perfume, Fleur Bienaimée, introduced by Houbigant. The names of many of the perfumes on the market to-day imply nothing save that they are delightful, but in choosing titles for their



products Houbigant have a singularly happy knack of conveying an impression of the odour with an alluring designation. This reveals a keen study of psychology, but the effect thus obtained is reinforced by a convincing appeal to the æsthetic. With Fleur Bien aimée (the series comprises perfume and powder), the firm has admirably succeeded with what they describe as a metallic packing—gold and silver, with a streak of



blue. The showcards—not shown in the accompanying illustration—are equally effective. Among other lines which are specially suitable for Christmas trade are the three-piece and two-piece vanity sets in heavy gilt cases, and the Cherany perfumes. The latter, which, as will be seen from the photograph, are packed in attractively coloured display boxes, are excellent value, and we understand that the sales of these have already been exceptional.

Births

Notices for insertion in this column must be properly authenticated.

NEILSON.—On November 10, the wife of Thomas Neilson, chemist and druggist, Muirton Place, Perth, of a son (stillborn).

TIBBETT.—At Crookham Road Nursing Home, Fulham, London, S.W., on November 13, the wife of H. G. Tibbett, M.P.S., 301 Wandsworth Bridge Road, S.W.6, of a daughter.

Marriages

MCKENZIE—STAVERT.—At Bethelfield Church, Kirkcaldy, on November 12, Abel, son of Mr. Thomas McKenzie, Ph.C., Inverness, to Nancie, daughter of Mr. W. Stavert, F.S.M.C., chemist and druggist.

POLLARD—GRAY.—At the Catholic Apostolic Cathedral, Gordon Square, London, W.C., on November 8, Claude Pollard to Isabel Gray, daughter of Mr. John Gray, chemist and druggist (Davidson and Gray, Ltd., chemists), Dundee.

WILLIAMS—PUGH.—At the Welsh Congregational Chapel, Aberdovey, recently, William Jones Williams, B.Sc., to Margaret Enid Pugh, chemist and druggist.

Deaths

CARDWELL.—On October 25, Mr. Ernest Cardwell, Ph.C., for many years in business in Minster Street, Reading, aged seventy-seven. Mr. Cardwell was a former officer in the old Volunteer Fire Brigade.

DAVISON.—The funeral of the late Mr. Daniel Davison, Ph.C., Cromer, whose death was recorded in our issue of November 15 (p. 616), took place at Cromer following a service at the Parish Church conducted by Canon L. C. Carr and other clergymen. The service was choral. Among the large congregation were the chairman and other members of the Norfolk County Council, members of the Cromer Urban Council and other local bodies, masonic representatives and local educationists.

EDDEN.—At 22 Handen Road, Lee, London, S.E., recently, Mr. Thomas Lewis Edden, chemist and druggist, aged eighty. Mr. Edden was on the representative staff of Barron, Squire & Co., in the 'seventies, and subsequently travelled for Hearon, Squire & Francis and The British Drug Houses, Ltd. He retired in December 1913.

FURNIVAL.—On November 2, after a brief illness, Mr. Charles Edward Furnival, chemist and druggist, of Leicester and Andoe Road, Clapham Junction, London, S.W.11, aged sixty-two.

GEE.—At Bexhill-on-Sea, on November 14, after a brief illness, Mr. Ernest Mackworth Gee, chemist and druggist, formerly of King's Norton.

GIBBS.—At Grey Roofs, Epping, on November 13, Mr. Kenneth Yardley Gibbs, aged seventy-five, of D. W. Gibbs, Ltd., City Soap Works, Wapping, London, E.1. Mr. Gibbs was in all probability the oldest active member of the soap trade. The eldest surviving son of William Alfred Gibbs, of Gilwell Park, Chingford, Essex, he joined the firm of D. & W. Gibbs in the year 1873. From the first he devoted himself to the factory or manufacturing side of the business in which he took an active part to the end. It would probably be no misstatement to say that few had so wide a knowledge and experience of practical soapmaking. As one of the partners he became a managing director when the business was for family reasons converted

into a private limited liability company, and he finally became chairman, which position he held at the time of his death. A man of shy and retiring disposition, with an abhorrence of self-advertisement, he was a great worker, and it would be difficult for any one unacquainted with the facts to realise what he was capable of performing in this respect. Always a lover of the country and nature, he devoted his spare time to country pursuits, of which gardening was the chief love of his later life. Noted for his kindliness, gentleness and sympathy, especially to those less fortunately placed in life than himself, he will be sadly missed by all who were privileged to know him, and his place will be hard, if not impossible, to fill.

HOLLICK.—At Balsall Common, on November 13, Mr. Richard Hollick, managing director of Richard Hollick, Ltd., chemists, 268 Burbury Road, Birmingham, aged seventy-seven. Mr. Hollick was a well-known collector of stamps, and for some time was president of the Birmingham Philatelic Society.

HOMES.—On November 12, Mr. Joseph Peter Homes, retired chemist and druggist, The Woodlands, Lightwoods Hill, Warley Woods, Olbury, aged seventy-five. Mr. Homes was in business in Birmingham Street, Oldbury, for a long period. He was an original member of the Oldbury Higher Education Committee, a governor of the County High School, and a founder of the Godson Lodge of Freemasons.

JOHNSTONE.—At Station Road, Dornoch, on November 6, Mr. Robert Ross Johnstone, chemist and druggist, aged fifty-eight. Mr. Johnstone carried on business in High Street, Dornoch, for over thirty years. He was for several years a member of Dornoch Town Council, in which he held office.

KENT.—At Lowestoft, on November 16, Mr. J. H. Kent, for over fifty years the valued traveller of J. & H. Browning & Co., drysalter and oil importers, Bartholomew Close, London, E.C.1.

NEILSON.—On November 10, the wife of Mr. Thomas Neilson, chemist and druggist, 63 Muirton Place, Perth.

PRICE.—At Culverwood House, near Hertford, on November 12, suddenly, Mr. Athelstan Elder Price, senior partner of Price, Hickman & Co., 4 Mincing Lane, London, E.C.3, Colonial brokers, aged sixty-one.

ROWAN.—At the Royal Infirmary, Glasgow, on October 21, Mr. William Rowan, chemist and druggist, 183 Duke Street. Mr. Rowan qualified in 1896.

TANNER.—At Charing Cross Hospital, London, W.C.2, on October 14, Mr. Percy Charles Tanner, chemist and druggist, Chesham, aged thirty-seven.

TAYLOR.—At Oxford, on October 14, Mr. Josiah Ellison Taylor, chemist and druggist, aged sixty-five.

WATERHOUSE.—At 16 Upper Addison Gardens, London, W.14, on October 28, Mr. William Maudson Waterhouse, chemist and druggist, aged sixty-eight.

WATERS.—Recently, the wife of Mr. Joseph Waters, chemist and druggist, Darlington.

WINBURN.—At his residence in the Avenue Foch, Paris, recently, M. Michael Winburn, founder of the Cadum Co. Mr. Winburn had lived in France for over twenty years, and gave handsome donations to various institutions for children.

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

M/1911. Atlas aluminium hot water bottles	D/2011. Laleek toilet preparations
L/1111 Berquier's suppository moulds	M/1911. Mawson-Swan shaving brushes
T/1511. Cynosprays	A/1911. Pirminal
S/1911. Klensoil dry cleaner	D/2011. Verax Super Peroxide Tooth Paste
L/1111 Lactosimbrosna	E/1911. Wilson's foot rot liquid
B/1711. Marrow's Mar-o-oil	

Observations and Reflections

By Xrayser III

Pharmacy Week

does not appear to have been observed so widely this year as last, and I fear that quite a considerable proportion of the population has passed through our streets day by day without realising that anything unusual was afoot in the chemists' shops. My own impression, derived from casual observation during the so-called Pharmacy Week, was that what ought to have been our particular thunder had been stolen by the limited company shops which have not previously troubled to give any prominence to the word "pharmacy." Apart from this, however, I am disposed to think it verges on foolishness to dress our windows as traders pure and simple during fifty-one weeks in the year, and then to convey the impression that we have "flitted," by adopting an entirely different style of window decoration for the remaining week of the fifty-two. What people are accustomed to, in the appearance of their chemists' shops, should not be departed from lightly even as part of an advertising stunt, else the effect may be one of repulsion instead of attraction, with a result much less encouraging than ought to be expected from a special advertising effort.

A Pharmacy,

in my considered opinion, should never fail to reveal at first glance that it is a place where medicines are dispensed, and this leads me to view with approval any chemist's shop-front which displays coloured carboys, or where a glimpse through the doorway of a sufficient number of shop rounds definitely characterises the shop as a place where medicines may be obtained. It is far from necessary that carboys and shop rounds should be present in such numbers as to dominate everything else; but there should always, I think, be an adequate display in a fairly prominent position of the paraphernalia of our profession. Such display should be obvious to everyone approaching or entering the shop, and be an ever-present reminder that, while the chemist and druggist may be prepared to serve the public in a variety of ways, he is primarily a person skilled in the compounding and dispensing of medicines, and a purveyor of everything likely to be required for the prevention and cure of human ailments.

Impressions

recorded by Mr. John Christie (*C. & D.*, November 15, p. 623) are perhaps more favourable than some of your readers would consider justifiable, and I am disposed to think that he is right on the whole. The passing of thirty years has undoubtedly modified our environment to a very great extent, with consequent improvement in our condition. To-day our hours of business are shorter, the business itself partakes more of the nature of what the practice of pharmacy should be, and a larger number of chemists and druggists are better off than ever their predecessors were. It pleased me to read Mr. Christie's comments on the growth of the multiple and chain stores, because his views expressed correspond so closely with my own on that subject. In many respects the individual chemist worth his salt will always enjoy considerable advantage over concerns without the most valuable asset of the personality of the proprietor in close touch with customers. It would be all for the good of British pharmacy if everyone engaged in the retail drug trade would read, mark, learn, and inwardly digest Mr. Christie's impressions, because the result could not but be beneficial in the direction of encouraging the development of the individualistic spirit and stimulating the progress of our calling.

There is Still a Demand

for oil of swallows (as is implied in your note on p. 634), notwithstanding that we are told by John Quincy, two hundred years ago, that it "is very rarely enquired after." The recipe for it in the first London Pharmacopœia seems to have been the original, for I have met with no formula for it in any similar European publication of that time or previously. When it does appear in later books it is attributed to the Pharmacopœia Londinensis. It would not surprise me if it should prove to be a concoction devised by that lover of gross and repulsive physic, Sir Theodore de Mayerne, who was responsible in large measure for the compilation of that volume. The method of obtaining this preparation is a good illustration of the pharmaceutical art of the seventeenth century. Sixteen whole live swallows were to be dismembered and mixed with certain herbs, such as camomile, rue, plantains, pennyroyal, dill, etc., and heated in a menstruum of oil and canary wine until a suitable consistency was obtained. If an ointment was desired May butter could be substituted for the oil. By the end of that century the oil of swallows ceased to be official; and an authentic formula for it in which swallows are an ingredient is now obsolete.

There was Another

pharmaceutical preparation of swallows, met with in Continental dispensaries, intended for internal use. This was the aqua hirundinum, for which there were seven or eight different formulas. Young live swallows, human or stag's blood, rasped human skull, castoreum, seeds and root of the peony, mistletoe, lily of the valley, elder flowers, lime flowers, vinegar of squill and several other substances were employed in compounding the different varieties of this article. It seems to have had a considerable vogue as a remedy for epilepsy, apoplexy, vertigo and for paralytic and hysteric troubles generally. The water was obtained by distillation, and its active principle was probably an ammoniacal constituent. Although the literature of the pharmacy of swallows is so meagre in the last three hundred years, the value set upon their remedial virtues during the preceding sixteen or seventeen centuries was quite considerable. There is probably no writer on the materia medica during that period who neglected to include them in his work. The superstition with which this bird was regarded so generally would render it liable to special attention on the part of those practitioners of physic whose professed belief in magic helped to sublimate and irradiate their medical skill in the eyes of the vulgar. From very early times the swallow was accounted a messenger of ill fortune, and many strange legends and stories are associated with it and with its mysterious comings and goings.

Dioscorides, Galen and Celsus

all recommended the ashes of burnt swallows as a remedy for the quinsy, and they also employed this medicine for eye diseases and for improving the acuity of vision. The principal Arabian physicians followed in the footsteps of their great predecessors. The heart, the brain, the blood, the flesh, the dung (this was official in the first London Pharmacopœia), as well as the ashes, were all made to contribute to the stock of remedies employed throughout the middle ages; even the nest was pressed into the service of the sick. This last was made into a poultice with the gall of a stag or ox, and applied to the throat in an inflammation of it; it is stated that this application was a good antidote to the bite of the adder or other venomous reptile.



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Editorial Articles

The New Methylated Spirits Order

THE long awaited Statutory Rule and Order dealing with methylated spirits has just been issued, and the portions which more directly concern chemists and druggist will be found on pages 652-655 of this issue. It is impossible to look closely at the Order without being struck with the evidence which it bears of the modern tendency of Government departments to exercise the functions of legislators. The position of methylated spirits before the law has for a considerable time been an illustration of this. The basis of that position has been, and is still from a statutory point of view, the Spirits Act, 1880, and the need for an overhauling of the whole structure hardly needs to be emphasised. The attempts made at amendment of the Act by the new Order are of interest, and certainly deserve a trial. It is much in their favour that they tend to relax the rigidity of the law in favour of the needs of trade and industry. Thus, in rule 15 we find provision made for the removal of the obstacles in the way of the importation of partly denatured spirits, and, in rules 19 and 20, increased facilities granted for the transport of methylated spirits by means not recognised by the older law. Again, in rule 22 the Commissioners take power to disregard the provisions of subsection (2) of Section 123 of the Spirits Act, 1880, which require that any methylation of British spirits shall be of not less than 450 gallons. Similarly, where the Act made any increase found in stock in excess of 1 per cent. on a methylation liable to forfeiture, and made any deficiency in excess of 2 per cent. chargeable with duty, the new Order, rule 27 (2), provides that "such allowances shall be made for excesses or deficiencies as the Commissioners may in any case think proper." Rule 35 also gives the Commissioners a salutary power to dispense with a cumbrous requirement of Section 120 of the Spirits Act. But it is, of course, in Part X of the Order that chemists are more particularly interested. By this the Commissioners take power, on an application made to them, to authorise a wholesale chemist or a dispensing chemist (a) to receive industrial methylated spirits; (b) to sell such spirits (apparently without licence) to any person authorised by the Commissioners to receive them in any quantity not exceeding four gallons at one time; (c) to sell such spirits (again without licence) in any quantity not exceeding half a gallon at one time, to any medical practitioner, dentist, veterinary surgeon, hospital or nursing home, on a written order signed by a medical practitioner, dentist, or veterinary surgeon; or (d) to export such spirits in any quantity not exceeding

four gallons at one time. In the same spirit, the Order goes on to provide (rule 51) that dispensing chemists may on application be allowed to receive and use industrial methylated spirits in the making of certain articles enumerated in a Schedule to the Order, and to sell such articles or the spirits themselves for medical or veterinary purposes on the prescription or order of a medical practitioner, dentist, or veterinary surgeon provided the conditions prescribed are complied with. In rule 53 of the Order the Commissioners take power to allow the receipt and use of industrial methylated spirits by a medical practitioner, dentist, veterinary surgeon, hospital or nursing home for medical, veterinary or scientific purposes. Rules 2, 52 and 53 (3) provide for the continuance in force of any existing authority to receive and use, subject only to compliance with the new Regulations as from the date of their coming into force, namely, January 18, 1931. It is of importance also to note that the prohibition imposed by Section 26 of the Revenue Act, 1889, on the sale of methylated spirits between 10 p.m. on Saturday and 8 a.m. on Monday is declared by rule 55 not to apply to industrial methylated spirits sold or supplied by wholesale and dispensing chemists under Part X of the Order. One further point appearing in the First Schedule of the Order will probably demand the attention of chemists, that is, the requirement that the wood naphtha to be used as a denaturant shall consist of substances derived from the destructive distillation of wood. It is not easy to understand why suitable synthetic products should be ruled out.

Scarcity of Tinnevely Senna Pods

DURING the past few weeks a very interesting situation has arisen in Tinnevely senna pods, the London market being almost bare of the f.a.q. quality. In fact, it is doubtful if an order for fifteen bales in one lot could be covered, and would have to be made up of small remaining balances from various parcels. This position is due to the very low prices ruling during the past few months, and it is probable that, in common with a number of other Mincing Lane commodities, holders bearing in mind the general depression, and their consequent anxiety to secure any business that was passing, have lost sight of the small London stocks and prices have been cut to an unproductive level. We understand that a leading London importer, who usually carries a stock of 100 to 150 bales, states that with recent prices in the neighbourhood of 2½d. per lb., ex wharf London, little inducement is offered to bring forward further supplies, as the actual paid-out charges for press-packing, baling, freight, insurance, London landing charges, combined with loss in weight, cable expenses, etc., leave little margin to cover the cost of growing, picking and marketing. There is also the risk of the goods being unsold on arrival, with warehouse rent accruing. Higher prices are now asked for the London stock at 3d. to 3½d. per lb. Regarding hand-picked Tinnevely senna pods, the position at the moment of this grade is not quite so firm, as fairly large stocks are available in London, but in view of the bare market of f.a.q., it would appear that manufacturers will be compelled to fall back upon the lower qualities of hand-picked, which at present are offered cheaply at 4d. to 4½d. per lb. A demand would soon be reflected in these prices, and in this connection it should be borne in mind that the Pharmacopœia Commission have received a report of the Pharmacy Subcommittee advocating the use of senna pods in preparations of senna (liquid extract) in the next edition of the B.P. (C. & D., October 25, p. 525). This change would, of course, create a much larger demand for pods.

Personalities

COUNCILLOR J. W. NORMANSELL, Ph.C., has been elected Mayor of Wells, Somerset.

MR. E. G. T. LOYLEY and MR. R. ROBINSON were at a recent meeting of the Cardiff Publicity Club elected members of the Council.

MR. CORNELIUS BAYLEY, chemist and druggist, Uppingham, celebrated his seventieth birthday on November 12. As will be seen from the accompanying photograph, in spite of the hardships of a chemist's business for fifty-five years, Mr. Bayley is still able to enjoy life. He was apprenticed in 1875, and passed the Minor examination in 1883. For nearly three years he was an assistant with Savory & Moore, Ltd.



MR. C. BAYLEY

CERTIFICATES OF NATURALISATION have been granted to A. A. Leibovitch, doctor, 134 Goldhurst Terrace, Kilburn, London; S. Wernick, chemist, 3 Bridge Street, Stepney, London.

MR. CHARLES A. NOBLE, who sold his business in Mill Lane, West Hampstead, London, N.W., in August last to Savory & Moore (1928), Ltd., is now living in retirement at 3 St. Margaret's Road, Edgware. Mr. Noble's many friends in pharmacy will be pleased to know that although no longer engaged in the retail trade he will continue his keen interest in pharmaceutical affairs generally.

MR. HAROLD NIXON has been elected chairman of Ayrton, Saunders & Co., Ltd., manufacturing chemists, Liverpool, in succession to the late Mr. W. H. Saunders. The new chairman is a native of Liverpool, and a member of a well-known Liverpool family closely connected with the medical profession and manufacturing pharmacy. He was educated at the Liverpool Collegiate School, and joined Ayrton, Saunders & Co., Ltd., in 1898, being appointed to the directorate in October, 1908. His association in business in close co-operation with the late Mr. Saunders lasted over a period of thirty-two years.

COUNCILLOR F. LEWIS SMITH, chemist and druggist, the new Mayor of Hereford, was warmly received by his colleagues on the Bench when he made his first appearance as presiding magistrate at Hereford City Police Court, Mr. Lewis Smith, who is fifty years of age, was born in Coventry. He qualified in 1901, and gained further experience successively in Coventry, Birmingham, Portsmouth, Manchester, Buxton, London and Mentone. Mr. Smith went to Hereford in 1908, and acquiring an old-established chemist's business, has developed it with great success. He first sought, and obtained, municipal honours in 1922, and has since been a member of most of the important committees of the city council.



MR. F. LEWIS SMITH

Methylated Spirits Regulations

REVISED Regulations, entitled "The Methylated Spirits Regulations, 1930," and dated October 30 (S. R. & O., 1930, No. 832: Stationery Office, 5d.), have been issued by the Commissioners of Customs and Excise in respect of the manufacture, storage and sale of the different kinds of methylated spirits. The most important part from the point of view of retail chemists is that dealing with industrial methylated spirits. We quote this, the Second Schedule to the Regulations, and two official notices in full:—

PART X

Industrial Methylated Spirits for Medical, etc., Purposes

Wholesale chemists and dispensing chemists may be authorised to receive Industrial Methylated Spirits for sale

50. The Commissioners may authorise a wholesale chemist or a dispensing chemist, on an application by him in the prescribed form, to receive industrial methylated spirits, and subject to such conditions as they shall prescribe—

(a) to sell such industrial methylated spirits to any person authorised to receive them, in any quantity not exceeding four gallons at one time;

(b) to sell such industrial methylated spirits, in any quantity not exceeding one-half of a gallon at one time, to a medical practitioner, dentist, veterinary surgeon, hospital, or nursing home (though not authorised to receive industrial methylated spirits), on a written order signed by a medical practitioner, dentist, or veterinary surgeon; or

(c) to export such industrial methylated spirits in any quantity not exceeding four gallons at one time.

Dispensing chemists may be authorised to receive Industrial Methylated Spirits for dispensing purposes, etc.

51. The Commissioners may authorise a dispensing chemist, on an application by him in the prescribed form and containing the information required by the notes in such form, to receive industrial methylated spirits and

(i) to use such industrial methylated spirits in making any articles referred to in the Second Schedule hereto, or in making any other approved articles or for any other approved purposes; and

(ii) to use such industrial methylated spirits in making any articles not referred to in the Second Schedule or otherwise specifically authorised, and to sell such articles, or industrial methylated spirits, for medical or veterinary purposes on the prescription or order of a medical practitioner, dentist, or veterinary surgeon and subject to such conditions as the Commissioners shall prescribe.

Existing authorities held by dispensing chemists

52. An authority held by a dispensing chemist on the first day of January 1931 to receive industrial methylated spirits for medical and veterinary purposes shall be deemed to be an authority granted as provided by Regulation No. 51, and the provisions of that Regulation as well as the other appropriate provisions of these Regulations shall apply to such chemists accordingly.

Medical Practitioners, etc.

53. (1) The Commissioners may on an application made to them authorise a medical practitioner, dentist, veterinary surgeon, hospital, or nursing home to receive industrial methylated spirits for medical, veterinary, or scientific purposes, subject to such conditions as they shall prescribe.

(2) Industrial methylated spirits received as provided by paragraph (b) in Regulation No. 50 shall be used solely for the purposes specified in paragraph (1) of Regulation No. 53 and subject to the conditions prescribed thereunder.

(3) An authority held on the first day of January 1931 by a medical practitioner, dentist, veterinary surgeon, hospital, or nursing home to receive industrial methylated spirits for medical, veterinary, or scientific purposes shall be deemed to be an authority granted as provided by this Regulation, and the provisions of this Regulation as well as the other appropriate provisions of these Regulations shall apply to such persons accordingly.

Application of Section 130, Spirits Act, 1880, modified

54. The prohibition in Section 130 of the Spirits Act, 1880, upon the use of methylated spirits in the preparation of any article capable of being used internally as a medicine shall not apply to prohibit the making for external use only of any article sold or supplied in pursuance of Regulation No. 51 on the prescription of a medical practitioner, dentist, or veterinary surgeon, or in pursuance of Regulation No. 53 or in any other case approved by the Commissioners.

Sale of Methylated Spirits on Sunday

55. Section 26 of the Revenue Act 1889, which prohibits the sale of methylated spirits between 10 p.m. on Saturday and 8 a.m. on Monday, shall not apply to industrial methylated spirits sold or supplied under this Part of these Regulations.

SECOND SCHEDULE

Articles which need not be detailed in Applications

1. The manufacture of articles in this Schedule shall be subject to any special conditions specified in the Schedule as well as to the appropriate provisions of the Regulations.

2. In the case of articles in this Schedule, the formulæ for which include the use of tinctures or solutions prepared with alcohol, the Regulations convey authority to prepare, and to use for the sole purpose of making such articles, tinctures or solutions prepared with Industrial Methylated Spirits, provided that the articles shall be sold or supplied solely for external use.

3. The Commissioners may at any time add any article to any class in this Schedule, or remove any article, by Regulations or otherwise.

CLASS A

Subject to no Special Conditions

Collodium B.P.
Collodium flexile B.P.
Linimentum aconiti B.P.
Linimentum belladonnæ B.P.
Linimentum camphoræ ammoniatum B.P.
Linimentum crotonis B.P.
Linimentum opii B.P.
Linimentum saponis B.P.
Linimentum sinapis B.P.
Liquor formaldehydi saponatus B.P.
Liquor picis carbonis B.P.
Solution of litmus (reagent) B.P.
Solution of methyl orange (reagent) B.P.
Linimentum arnicæ B.P.C.
Linimentum capsici B.P.C.
Linimentum capsici co. B.P.C.
Linimentum opii ammoniatum B.P.C.
Linimentum potassii iodidi B.P.C.
Linimentum saponis camphoratum B.P.C.
Liquor cresol glycerinatus B.P.C.
Liquor eugenol et thymol compositus B.P.C.
Liquor picis ligni B.P.C.
Liquor rusci B.P.C.
Liquor saponis æthereus B.P.C.
Liquor saponis antisepticus B.P.C.
Lotio benzoini composita B.P.C.
Lotio cantharidini B.P.C.
Lotio crinalis B.P.C.
Lotio crinalis (Locock) B.P.C.
Lotio plumbi et sulphuris B.P.C.
Lotio plumbi evaporans B.P.C.
Lotio rosæ B.P.C.
Lotio staphisagriæ B.P.C.
Lotio sulphuris B.P.C.
Nebula benzoini composita B.P.C.

Nebula benzoini composita cum cocaina et quina B.P.C.
 Nebula menthol composita B.P.C.
 Oleinatum atropinae B.P.C.
 Oleinatum cocainae B.P.C.
 Parogenum B.P.C.
 Parogenum iodi B.P.C.
 Parogenum spissum B.P.C.
 Pasta potassae et calcis B.P.C.
 Spiritus resorcini B.P.C.
 Spiritus saponatus B.P.C.
 Spiritus saponis kalini B.P.C.
 Tinctura myrrhae composita B.P.C.
 Tinctura myrrhae et boracis B.P.C.
 Tinctura pyrethri florum B.P.C.
 Vapor eucalypti compositus B.P.C.
 Vapor eucalypti et menthol compositus B.P.C.
 Vapor pini et eucalypti B.P.C.
 Lotio plumbi evaporans conc. National Health Insurance Formulary.
 Lotio sulphuris co. National Health Insurance Formulary.
 Pignientum caeruleum. National Health Insurance Formulary.

All articles in the Retail Pharmacists' Union Formulary.

CLASS B

Subject to the special condition that no methylated spirits shall remain in the finished product

Extractum belladonnae siccum B.P.
 Extractum cannabis indicae B.P.
 Extractum colocynthidis compositum B.P.
 Extractum ergotae B.P.
 Extractum euonymi B.P.
 Extractum grindeliae liquidum B.P. (First Extract only.)
 Extractum hyoscyami B.P.
 Extractum nucis vomicae siccum B.P. (Made direct from seeds.)
 Extractum rhei B.P.
 Extractum strophanthi B.P.
 Fel bovinum purificatum B.P.
 Jalapae resina B.P.
 Kaladanae resina B.P.
 Podophylli indicis resina B.P.
 Podophylli resina B.P.
 Scammoniae resina B.P.
 Styrae preparatus B.P.
 Gossypium acidi salicylici B.P.C.
 Gossypium acidi salicylici forte B.P.C.
 Gossypium capsici B.P.C.
 Gossypium hamamelidis B.P.C.
 Gossypium menthol co. B.P.C.

CLASS C

Subject to the special conditions specified in each case.
 Emplastrum belladonnae B.P. Subject to the special condition that if any industrial methylated spirits remain in the extract of belladonna prepared, such extract shall be immediately converted into the emplastrum belladonnae.

CLASS D

(Paint and Varnish Thinners, etc.)

Subject to no special conditions

1. Any solution containing not less than six ounces of commercial shellac, or eight ounces of any other gum resins per gallon in solution, provided that if gum benzoin is used the eight ounces of gum resins must include in addition one or more other gum resins.

2. A mixture composed in the following proportions:—

(i) 100 parts by volume of industrial methylated spirits;
 (ii) not less than 10 parts by volume of acetone or wood naphtha; and
 (iii) not less than 10 parts by volume of benzol.

3. A mixture composed in the following proportions:—

(i) 100 parts by volume of industrial methylated spirits;
 (ii) an aggregate of not less than 10 parts by volume of acetone, wood naphtha, or methyl-ethyl ketone, or a mixture of these substances; and
 (iii) not less than 10 parts by volume of any light hydrocarbon oil as defined in Section 2 (3) of the Finance Act, 1923.

4. A mixture composed in the following proportions:—

(i) 100 parts by volume of industrial methylated spirits;
 (ii) 10 parts by volume of ethyl acetate, butyl acetate, or amyl acetate, or a mixture of these substances;
 (iii) 10 parts by volume of butyl alcohol, amyl alcohol, or fusel oil, or a mixture of these substances; and
 (iv) not less than 5 parts by volume of benzol.

5. A mixture composed in the following proportions:—

(i) 100 parts by volume of industrial methylated spirits;
 (ii) an aggregate of not less than 50 parts by volume of a mixture of any two of the following substances: Acetone,

wood naphtha, methyl-ethyl ketone, ethyl acetate, butyl acetate, amyl acetate, butyl alcohol, amyl alcohol, or fusel oil (provided that in any such mixture the proportion of ethyl acetate, butyl acetate, or amyl acetate shall not exceed 20 parts by volume); and
 (iii) not less than 15 parts by volume of benzol or petroleum hydrocarbon.

6. A mixture composed in the following proportions:—

(i) 100 parts by volume of industrial methylated spirits;
 (ii) 10 parts by volume of cyclohexane or cyclohexanone; and
 (iii) not less than 10 parts by volume of benzol.

Notice No. 53

Notice No. 53, relating to the sale of industrial methylated spirits for medical and scientific purposes by wholesale chemists and dispensing chemists, is as follows:—

1. Under Regulation No. 50 of the Methylated Spirits Regulations, 1930 (operative as from January 1, 1931) the Commissioners of Customs and Excise may authorise any wholesale chemist or dispensing chemist **who holds (or takes out) a Methylated Spirits Retailer's Licence**, on application by him, to receive industrial methylated spirits for sale as follows:—

(a) In any quantity **not exceeding four gallons** at one time to any "authorised user," i.e., any person authorised to receive industrial methylated spirits. This is primarily intended to facilitate the purchase of industrial methylated spirits by dispensing chemists, medical practitioners, dentists, veterinary surgeons, hospitals, nursing homes, universities, colleges, schools, and scientific workers. Sales may, however, be made under this provision to any authorised user, and it will be the duty of the supplying chemist to see that on each occasion he receives from the purchaser a Requisition in the official form.

Note.—As from January 1, 1931, the above applies to all sales of industrial methylated spirits to dispensing chemists, and the arrangement under which hitherto quantities up to one gallon at a time might be supplied to a dispensing chemist on his mere written order is withdrawn.

(b) In any quantity **not exceeding one half of a gallon** at one time to a medical practitioner, dentist, veterinary surgeon, hospital, or nursing home, on a written order signed by a medical practitioner, dentist, or veterinary surgeon. The purchaser need not hold any official authority to receive industrial methylated spirits, and a requisition is not required, but the purchaser must be in one of the categories specified, and the order must in every case be signed by a qualified medical practitioner, dentist, or veterinary surgeon. It is to be noted that this does not cover supplies to dispensing chemists. (See Note to paragraph 1).

2. *Exportation.*—The wholesale chemist or dispensing chemist may also export industrial methylated spirits to customers abroad (or supply them to customers in the Isle of Man) in any quantity **not exceeding four gallons** at one time. Requisitions will not be necessary, and the spirits may be supplied merely on the customer's order.

3. *Application for Authority.*—Every wholesale chemist or dispensing chemist who wishes to sell industrial methylated spirits in accordance with paragraphs 1 and 2 in this Notice **must apply for a special authority to do so**, whatever authority or authorities he may already hold for the receipt of industrial methylated spirits. Applications from wholesale chemists must be made on the official form Ex. No. 225 and applications from dispensing chemists must be on Form Ex. No. 225A. These forms may be obtained on application to the local officer of Customs and Excise.

4. *Conditions to be Observed.*—Regulation No. 50 provides that the sale of industrial methylated spirits by a wholesale chemist or dispensing chemist in accordance with this Notice shall be governed by such conditions as the Commissioners of Customs and Excise shall prescribe. The prescribed conditions are as follows, and it is to be noted that any breach of them will be a breach of the Regulations, involving liability to penalties and to the withdrawal of the authority:—

The wholesale chemist or dispensing chemist must:—

(a) keep a separate stock of industrial methylated spirits for sale in accordance with paragraphs 1 and 2 in this Notice, apart from any industrial methylated spirits which he may have in his possession for any other purpose, and all industrial methylated spirits sold as provided by paragraphs 1 and 2 must be drawn from such separate stock;

(b) keep the separate stock of industrial methylated spirits under proper control by himself or by some other responsible person;

(c) keep an account, in a form approved by the officer of Customs and Excise, showing, with dates, every quantity of industrial methylated spirits taken or transferred into such separate stock and all sales from such separate stock, and balance such account monthly;

(d) allow the officer of Customs and Excise to inspect his stocks of industrial methylated spirits at any reasonable time, and produce to the officer, if required by him at any reasonable time within two years, all orders (paragraph 1 (b) and paragraph 2) received by him for industrial methylated spirits and any books, accounts or other documents referring to his sales of industrial methylated spirits.

(e) affix to every bottle or other container in which industrial methylated spirits are sold, a label showing that the contents are industrial methylated spirits.

5. *Requisitions and Permits.*—All requisitions received from purchasers, and all permits received with industrial methylated spirits from methylators, must be retained and handed to the officer of Customs and Excise on his next visit to the premises.

Model Form of Account for guidance in the case of Wholesale Chemist and Dispensing Chemists selling Industrial Methylated Spirits under Regulation No. 50 of the Methylated Spirits Regulations, 1930.

Received or set aside for sale			Sold		
Date of receipt or when set aside as a separate stock for sale	Whence received	Quantity	Date	Whether sold on requisition, or for use of a doctor, etc., on written order	Quantity

Notice No. 54

Note.—This Notice deals only with (a) the making and sale of medical and other articles with industrial methylated spirits by dispensing chemists, and (b) the dispensing of industrial methylated spirits on prescription.

It does not apply to the sale of industrial methylated spirits to chemists, doctors, etc., which is separately dealt with in Notice No. 53.

1. *Authorities already held by Dispensing Chemists.*—By Regulation No. 52 of the Methylated Spirits Regulations, 1930 (which are operative as from January 1, 1931) any authority held by a dispensing chemist on January 1, 1931, to receive industrial methylated spirits for dispensing purposes is to be deemed to be an authority granted under No. 51 of the new Regulations, that is in accordance with paragraphs 2-4 in this Notice. This means that any dispensing chemist who is already authorised to receive industrial methylated spirits for dispensing purposes will automatically and without further application be entitled to use and dispense industrial methylated spirits as at (i) and (ii) in paragraph 2, while he will become liable to the rules and conditions in paragraphs 3 and 4. Further, if his existing authority specifically covers the use of industrial methylated spirits in making any articles not in the Second Schedule, or for any other purposes (except sale to other chemists—see below), he will continue to be entitled so to use industrial methylated spirits.

It is to be noted, however, that as from January 1, 1931, no authority held by a dispensing chemist prior to that date to sell industrial methylated spirits to other chemists will remain valid. Any dispensing chemist who wishes to be authorised to sell industrial methylated spirits to other chemists must apply for special authority, as explained in Notice No. 53.

2. *Applications for Authority.*—Applications made in future by dispensing chemists for authority to receive industrial methylated spirits must, in every case, be made on the special official Form Ex. No. 225A, which may be obtained at any Customs and Excise office. The grant of the authority will convey:—

(i) the right to make up any articles referred to in the Second Schedule to the Regulations (printed as an Appendix to this Notice), subject to the rules in that Schedule, as well as to the general conditions imposed by the Regulations (see paragraph 3), and to sell such articles without restriction;

(ii) the right to make up and dispense on prescription only—articles not in the Second Schedule or specifically authorised (see below); or industrial methylated spirits (undiluted or diluted); subject to the Regulations and to the conditions in paragraph 4 in this Notice.

The application may also include a request for authority to use industrial methylated spirits in making any other articles, or for any other purposes which the dispensing chemist may specify.

3. *General Conditions to be Observed.*—As from January 1, 1931, the receipt and use of industrial methylated spirits by dispensing chemists will in all cases (whether under an authority granted before, on or after that date) be governed by the Methylated Spirits Regulations, 1930. The principal Regulations affecting dispensing chemists are as follows:—

No. 31 (3).—Permits received with methylated spirits from methylators must be kept and delivered to the officer of Customs and Excise.

No. 33.—On the transfer or discontinuance of a business, stocks of methylated spirits must not be disposed of without the sanction of the officer of Customs and Excise. (Facilities will readily be given on application.)

No. 34.—No attempt may be made to purify methylated spirits, unless with the sanction of the Commissioners of Customs and Excise in special cases.

No. 39.—Methylated spirits must be kept under proper responsible control, and must not be used for any purpose or in any way not covered by an authority held. Neither methylated spirits, nor any spirits, may be recovered or distilled, unless with the special sanction of the Commissioners of Customs and Excise.

All bottles or other containers in which any articles made with industrial methylated spirits for medical purposes are put up must be conspicuously labelled "For External Use Only," "Not To Be Taken," or otherwise to the same effect.

No. 41.—A return of industrial methylated spirits used must be made once a year, in an official form which will be supplied by the officer of Customs and Excise.

4. *Further Conditions to be observed in regard to Articles which may only be Sold on Prescription.*—Regulation No. 51 provides that the use of industrial methylated spirits in making articles not in the Second Schedule or specifically authorised (see (ii) in paragraph 2), and the dispensing of such articles and of industrial methylated spirits, shall be subject to such conditions as the Commissioners of Customs and Excise shall prescribe. The prescribed conditions (which are in addition to the general conditions referred to in paragraph 3) are shown below. It is to be noted that these conditions apply only to articles not in the Second Schedule or specifically authorised. Prescriptions for articles in the Schedule or specifically authorised may be filled without regard to anything in paragraph 4 of this Notice.

(i) The articles, or the industrial methylated spirits, must only be dispensed on a prescription or order, dated and signed by a qualified medical practitioner, dentist, or veterinary surgeon.

(ii) A prescription or order for industrial methylated spirits either diluted or undiluted:

(a) must specify the quantity of industrial methylated spirits (undiluted or diluted) required;

(b) must not be acted upon more than once, or more than seven days after the date it bears;

(c) must, if not issued under the National Health Insurance Regulations, be retained by the dispensing chemist for two years.

(iii) When any article made with industrial methylated spirits on a prescription not issued under the National Health Insurance Regulations is dispensed, the prescription must be entered in a prescription book, with the name of the person for whom the prescription is written and of the person by whom it is signed. Prescriptions according to formulas given in any recognised book of reference may be quoted by the recognised short title.

(iv) No greater quantity than one pint of industrial methylated spirits, either alone, or diluted with water, or as an ingredient in any article, may be supplied at any one time to or for the use of one person.

(v) The bottles or other containers in which industrial

methylated spirits are dispensed must be conspicuously labelled "For External Use Only," "Not To Be Taken," or otherwise to the same effect.

5. *Requisitions.*—Every dispensing chemist authorised to receive industrial methylated spirits must forward to his supplier with each order a requisition from an official book, which will be supplied by the officer of Customs and Excise.

6. *Penalties for Breach of Regulations or Conditions.*—It is to be observed that any breach of the Regulations, or of the prescribed conditions in paragraph 4 of this Notice involves liability to penalties and to the withdrawal of authority to receive industrial methylated spirits.

Notice No. 55

Notice No. 55 prescribes Regulations for doctors, dentists, veterinary surgeons, hospitals, and nursing homes. Its purport can be inferred from the clauses of Notices 53 and 54.

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Local Reports

ENGLAND AND WALES

Cambridgeshire.—At a meeting of the County Insurance Committee on October 11, a report was received from the Pharmaceutical Service Subcommittee relating to a prescription which showed an excess of 12.6 per cent. of diluted hydrochloric acid. The Committee stated that the amount represented only a small excess of acid, and recommended that no action be taken.

Devon.—A meeting of the Devon Pharmaceutical Committee was held on October 15. Instances having been reported of doctors indicating the chemist to whom a prescription should be taken, it was resolved that the Insurance Committee be again asked to remind practitioners that the naming of any chemist in such a connection should be carefully avoided.

East Sussex.—At a meeting of the East Sussex Insurance Committee, on October 7, the Pharmaceutical Service Subcommittee submitted a report as to a prescription made up by a chemist, and recommended that the chemist be warned that every possible care should be taken in dispensing medicines and also drawing his attention to the importance of following the National Formulary. Dr. Fothergill moved as an amendment that the Ministry of Health be recommended to fine the chemist £5. He said it was a serious matter for a chemist to ignore a doctor's written prescription and to make up "a fancy prescription" of his own. Mr. Parkhouse expressed the opinion that a fine of £5 was too drastic. He thought a penalty of £1 would meet this particular case. The amendment was lost, and a further amendment that the Ministry of Health be recommended to deduct £1 from the chemist's remuneration was carried by nine votes to six. A further report by the Subcommittee dealt with a case of a chemist who was asked for a flannel bandage 2½ in. by 4 yds., and who cut a bandage from a piece of flannel. The bandage was not wrapped in a sealed packet as required. This recommendation gave rise to some discussion, Dr. Summerhayes remarking that it was far less serious than the case just dealt with. It was a very unusual form of bandage—he had applied to two chemists in Newhaven and one in Lewes, and they did not stock that form of bandage. This chemist appeared to have done his best to supply what was required. It was agreed that the recommendations as to warning the chemist and not releasing the prescription for pricing should be deleted from the report.

English Assistants on the Riviera

By John D. Marshall

I do not remember reading during the last two or three years any notes on the life and conditions of work as a temporary assistant on the Riviera; conditions change quickly, and those prevailing some years ago are hardly current now. The French are very practical and look after their nationals; and although there are only 500 unemployed in the whole country, any person desiring to work for payment must obtain a permit. This is issued by the *Ministre du Travail* or at the *Office Départemental de Placement* (e.g., of Nice). Unless such licence is obtained one is liable to punishment. However, acting on the maxim that politeness costs nothing, and that one is a visitor in a foreign country, willing to conform to rules and regulations, there is little difficulty in obtaining the necessary permit. The employer has, of course, to fill in the amount of salary, hours of work, nature of work, etc., to ensure that the conditions are the same as those a Frenchman would obtain in a similar capacity.

The hours of business are usually from 9 a.m. to 7 p.m.; a break of two hours in winter (12 midday-2 p.m.) is given; Sunday duty is arranged by law, each pharmacy becoming "*Pharmacie de Garde*" in rotation (in large towns several pharmacies are open). A notice on all pharmacies shows which are open for the day; usually duty is every third Sunday. The pay is not great; but sufficient when one considers the object of coming to France is for experience. It is about 2,000 francs a month, equal to £16 at the present rate of exchange. One can live quite reasonably well on that sum. A decent, clean, well-furnished room is obtainable for 200-250 fr. per month. Meals are taken at restaurants except *petit déjeuner* (coffee and bread); lunch and dinner of good quality in clean surroundings, but, of course, no luxurious appointments, can be obtained for a reasonable figure. The fares out and home are usually granted free.

Work is very interesting, as there is a great diversity of dispensing, and, in all pharmacies doing international trade, people of most countries are in and out all day. The rest of the staff is usually French, so one quickly gets accustomed to hearing French spoken. If a man takes the trouble to have some lessons and makes a point of speaking as often as possible, not minding whether his grammar is correct or not, it is surprising how quickly the sense of shyness disappears, for after all the great difficulty is want of confidence and fear that the accent will be wrong. The secret for having a pleasant and useful time in France, which will be of enormous value in after-life, is to put aside insular prejudice; for the time being to look at things from the French angle; to be courteous, not taking offence. The assistant will thus never regret spending one or two winters in the south, and the summer at some good hill resort.

Pharmaceutical Society of Ireland

Council Meeting

THE monthly meeting of the Council of the Pharmaceutical Society of Ireland was held at 67 Lower Mount Street, Dublin, on November 11, Mr. Denis J. Nugent (president) in the chair. The following members of the Council were also present:—Dr. Michael Ryan (vice-president), Mr. Patrick Brooke Kelly (treasurer), Dr. J. A. Mitchell, Sir Thomas Robinson, Messrs. P. J. Fielding, Michael J. Kieran, Patrick Kieran, Thomas J. Doyle, P. D. Larkin, Joseph Gorry, F. J. Fitzpatrick, Timothy Costelloe, John J. Roche, P. A. Brady, John Smith, David Warwick, and James McCormack. Mr. James J. R. Kerr (registrar) was in attendance.

DEATHS

The PRESIDENT referred to the death, since the previous meeting, of Mr. Andrew Hood Oliphant, a member of the Society and a past member of the Council. He proposed a vote of sympathy with his relatives. The vote of sympathy, which was seconded by the VICE-PRESIDENT, was passed in silence, the members standing.

A vote of sympathy with Professor H. Norminton, M.Sc., whose mother had died since the previous meeting of the Council, was also passed.

THE ANNUAL DINNER

The PRESIDENT stated that they were getting on very well with the preparations for the annual dinner, which has been fixed for December 9, in the Gresham Hotel.

THANKS

Sir THOMAS ROBINSON expressed his thanks for the resolution passed by the Council at the October meeting congratulating Dr. Myles Keogh and himself on their election to the City Council.

The registrar submitted a letter from Mrs. Wilson, widow of the late Mr. Andrew Wilson, Ph.C., Belfast, returning thanks for the vote of sympathy passed at the October meeting of the Council.

MEMBER WITHDRAWS RESIGNATION

The registrar submitted a letter from Mr. P. J. Ryan, M.P.S.I., Mountrath, who had written resigning membership of the Society.

The PRESIDENT said he had taken it upon himself to write to Mr. Ryan and to point out to him how essential it was to maintain the membership of the Society. He had received a letter in reply enclosing a cheque for another year's membership subscription.

MINISTER'S ACKNOWLEDGMENT

The registrar submitted a letter from the Minister for Local Government and Public Health acknowledging the notification of the appointment of Mr. Nugent as president of the Society, and of Dr. Ryan as vice-president.

VENEREAL DISEASE ACT

The registrar submitted a letter stating that an order has been made by the Minister for Local Government and Public Health applying Section 1 of the Venereal Disease Act, 1917, to the county of Lavagh (Leix).

CHANGE OF NAME

Mrs. Eveline England, Ph.C., (*née* McClure) wrote submitting marriage certificate and requesting change of name on register.

CHANGES OF ADDRESS

The following wrote notifying changes of address:—

Miss Frances McGrath, M.P.S.I., to Medical Hall, Main Street, Carrick-on-Suir; Mr. T. M. H. Dromgoole, M.P.S.I.,

to 19 Northumberland Road, Dublin; Mr. Denis Long, M.P.S.I., to 54 Shandon Street, Cork; Miss Mary Josephine O'Regan, M.P.S.I., to the Medical Hall, Ballybrack, co. Dublin; Mr. Joseph M. Burke, M.P.S.I., to the Medical Stores, Ltd., Upper Main Street, Letterkenny; Mr. C. H. Williams, Ph.C., to 12 Rathmines Terrace, Dublin; Mr. N. Agnew, Ph.C., to Ashville, Randalstown; Mr. James Warnock, Ph.C., to Warnock's Pharmacy, 4051 Balboa Street, at 42nd Avenue, San Francisco, California; Mr. A. C. J. Austin, Ph.C., to 295 Main Road, Seapoint, Capetown, S.A.; Mr. D. Moffatt, Ph.C., to 31 Ormiston Crescent, Knock, Belfast; Rev. Father James J. Gardner, R.D., to Geashill, Offaly; Rev. Robert C. Acheson, R.D., to 1451 Robinson Street, Regina, Sask., Canada; Mr. S. E. A. Acheson, R.D., to 207 Lorne Terrace, Albertbridge Road, Belfast; Mr. Wm. Orr, R.D., to 20 Thomas Street, Armagh; and Mr. M. J. Cullen, R.D., to Cullen's Medical Hall, North Circular Road, Phibsborough, Dublin.

PRELIMINARY REGISTRATION

The following, who submitted certificates from other bodies, were admitted to Preliminary registration:—

Miss M. J. F. Rogan, Miss Teresa Frances Doyle, W. F. O'Dwyer, Eugene McCaffrey, Thomas M. Moran, Pierce Hickey, N. A. P. McKane, F. C. Walsh, Patrick Hickey, and Thos. P. Walsh.

REPORTS FROM COMMITTEES

Reports from the Law Committee, the Benevolent Fund Committee, and the House and Finance Committee were received and adopted.

THANKS FOR DONATIONS

On the motion of the PRESIDENT, seconded by the VICE-PRESIDENT, the sincere thanks of the Council were voted to the following for their donations to the Library of the Society:—Mr. W. McCarthy, M.P.S.I., for a very fine copy of the Dublin Pharmacopœia; Dr. W. H. Ashmore, M.P.S.I., for an interesting old "materia medica," published in Dublin; Mr. J. Duggan, M.P.S.I., for ten volumes of THE CHEMIST AND DRUGGIST from 1878 to 1888; and Sir Isaac Pitman & Sons, Ltd., for copies of three works.

REPORT OF THE PHARMACY SUBCOMMITTEE

Arising out of the report of the Pharmacy Subcommittee, Mr. JOHN SMITH said he had the honour of having been appointed to represent the Pharmaceutical Society on that Subcommittee. The work of the Subcommittee had gone on regularly since September 1929. He thought that their work had perhaps been facilitated by the unanimous way in which they had looked upon the work brought before them. The secretary (Dr. Hampshire) was certainly a very able man, and as regards the knowledge that was required for the revision of the Pharmacopœia he had everything at his fingers' ends. For the last two or three weeks the criticisms that had been appearing in the Press were less adverse than he had expected them to be. He thought that, on the whole, the new Pharmacopœia would be a great improvement upon the past editions. There were three working pharmacists on the Subcommittee; and they had to take exception to certain proposals. In some cases they had been able to carry their points, but in other cases they had been overruled. He thought that on the whole they had arrived at very satisfactory decisions so far.

Sir THOMAS ROBINSON said he had not yet fully considered the report, but he noticed rather an objectionable feature in the proposal to make "Parrish's syrup" a synonym for *syrupus ferri phosphatis compositus*. This, if adopted, would prevent the use of any other formula and interfere with the considerable sale established for years by some firms of a much more attractive formula.

Mr. SMITH said the report of the Subcommittee had been issued for the purpose of criticism, and if the criticisms were found to be reasonable, and to lead to improvement, they would be adopted.

Sir THOMAS ROBINSON said the same objection existed in the proposal to make "essence of peppermint" a synonym for "spiritus menthae piperita." He also referred to the confusion likely to be caused in the public mind regarding the supply of tincture of iodine.

Mr. FIELDING said there was another matter to which he would like to draw attention. It was that the tests used by the Local Government Department in the Free State were not those of the British Pharmacopœia.

The PRESIDENT: If these points are given to Mr. Smith, Mr. Smith will submit them to the right quarter.

Mr. BROOKE KELLY asked whether Mr. Smith would call a meeting of the Pharmacopœia Committee.

The PRESIDENT: If Mr. Smith wishes to discuss it, I will call a meeting.

Mr. SMITH: Certainly.

Mr. McCORMACK asked whether Mr. Smith had tried to get any of their nature plants and products, such as carrageen and kelp, included in the Pharmacopœia.

Mr. SMITH replied that he had not.

Mr. BROOKE KELLY said carrageen had been mentioned very favourably by pharmacy journals, and he thought it would go through.

REPORTS FROM EXAMINERS

The registrar submitted reports from the examiners, from which it appeared that thirty-three candidates had entered for the Pharmaceutical Licence examination, of whom five withdrew, five passed, and twenty-three failed; that twelve candidates had entered for the Pharmaceutical Assistant examination, of whom three withdrew, five passed, and four failed; that six candidates had entered for the Registered Druggist examination, and that four had passed and two failed; and that sixteen candidates had entered for the Preliminary examination, of whom one withdrew, six passed, and nine failed.

On the motion of Sir THOMAS ROBINSON, seconded by Mr. FIELDING, the examiners' report on the Licence examination was referred to a committee consisting of the president, the vice-president, Mr. Warwick, Mr. Fitzpatrick, and Mr. John Smith for report to the next meeting of the Council.

ELECTION OF EXAMINERS

On the motion of the VICE-PRESIDENT, seconded by Mr. BROOKE KELLY, the following examiners were re-elected:—Mrs. Gerard Murphy, B.A., H.Dip., for the Preliminary examination; Mr. George C. Hewson, M.P.S.I., F.C.S., in botany and materia medica, for the Final examination; and Mr. Alfons O'Farrell, M.A., as examiner in chemistry for the Final examination.

On the motion of Mr. WARWICK, seconded by Dr. MITCHELL, Mr. Michael Smith, M.P.S.I., was elected examiner for the Registered Druggist examination under Section 8 of the Pharmacy Act (Ireland), 1875, Amendment Act, 1890.

RE-EXAMINATION OF REJECTED CANDIDATES

Sir THOMAS ROBINSON proposed amendments to the regulations of the Society with a view to providing that candidates rejected for the Licence and the Pharmaceutical Assistants' examinations may present themselves for re-examination, on paying the specified fees, at the next examination, instead of after the lapse of six months, as laid down by the existing regulations.

Mr. WARWICK seconded the motion, which was unanimously adopted.

PROPOSED SCHOLARSHIPS

Mr. P. KIERAN proposed, in accordance with notice of motion:—

That a Scholarship examination be held annually in the month of September, to be known as the "Pharmaceutical Society's Scholarships Examination." The scholarships to

be two in number, one first class and one second class, and to be awarded to the candidates whose names appear first and second on the list of the results of the said examination. The subjects of the examination to be as follows:—

- (1) Pharmacy; theoretical and practical;
- (2) B.P.: oral and written;
- (3) D.D.A. and poison regulations;
- (4) Elementary book-keeping, office routine and business methods.

The first-class scholarship winner to be awarded a free full course of lectures in the Society's schools for the Pharmaceutical Licence examination. The second-class scholarship winner to be awarded free lectures in the Society's schools in the following subjects:—

Theoretical chemistry and botany and materia medica for the Pharmaceutical Licence examination. To be eligible for this examination candidates must be registered pharmaceutical apprentices. Application for entrance for the examination must be accompanied by a statutory declaration signed by the candidate and the pharmaceutical chemist (or dispensing chemist and druggist, when this grade is set up) with whom the said candidate is, or has been, an apprentice, stating that the candidate has served a *bona-fide* engagement of four years, or a minimum of two years of the recognised four years' apprenticeship, and that the said candidate has not previously taken out lectures for the Pharmaceutical Licence examination at any recognised school, this declaration to be lodged with the registrar fourteen clear days before the date fixed for the examination and to be accompanied by a nominal entrance fee (5s.). The names of the winners of the above scholarships to be inserted annually in the Appendix of the Pharmaceutical Calendar when they have passed the Licence examination.

Mr. KIERAN said he had experience of young apprentices during the early stages of their apprenticeship, and he had seen their lack of education, the result being that bad foundation was laid. He thought that the adoption of a scholarship scheme would tend to improve the standard of the students attending the lectures and to improve the results of the Society's Licence examination.

Mr. LARKIN said he had great pleasure in seconding the motion so that they might have a discussion.

Mr. WARWICK said the proposal was very important and very desirable, but he thought it would not be possible to deal with it at a meeting like that, and that they ought to refer it to a committee.

The PRESIDENT said it was a very big and a very admirable subject, and they could not possibly deal with it at that meeting.

Mr. FITZPATRICK said there was considerable finance involved, and the whole matter wanted examination.

Mr. KIERAN said he intended that his proposal should go forward as a notice of motion in order to get the project going.

On the motion of Mr. WARWICK, seconded by Mr. BROOKE KELLY, the motion was referred to a Subcommittee consisting of the Schools Committee, with the addition of Mr. P. Kieran, for consideration, the Subcommittee to report to the January meeting of the Council.

OTHER MATTERS

On the motion of the PRESIDENT, seconded by the VICE-PRESIDENT, the following were elected to membership:—

Mr. C. Dillane, Ph.C., Rooske, Newcastle West, co. Limerick; Mr. F. J. Brennan, Ph.C., 50 Prospect Road, Glasnevin, Dublin; Mr. Denis Long, Ph.C., 54 Shandon Street, Cork; Miss T. McAdam, Ph.C., Main Street, Mallow, co. Cork; and Mr. Gerald O'Neill, Ph.C., 149 Lower Drumcondra Road, Dublin.

The following were, on the motion of the PRESIDENT, seconded by the VICE-PRESIDENT, nominated for membership:—

Dr. G. A. Pemberton Wright, Ph.C., 63 East Street, Kingston, Jamaica; Mr. John Cronin, Ph.C., Boherboy, Banter, co. Cork; Mr. M. J. Leahy, Ph.C., Main Street, Kilfinane, co. Limerick; and Miss Frances McGrath, Ph.C., Medical Hall, Main Street, Carrick-in-Suir, co. Tipperary.

On the motion of the PRESIDENT, seconded by the VICE-PRESIDENT, it was directed that the Pharmaceutical Licences of the following be sealed:—Miss May Bourke, Miss Brigid Anne Traynor, Messrs. Patrick Hanley, Luke Colleran, and E. J. Connolly.

Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling, packing, etc. Qualities of chemicals, drugs, essential and fixed oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

28 Essex Street, W.C.2, November 20

BUSINESS in the pharmaceutical group of chemicals continues limited, the dominant feature being the continued price-cutting in a number of products, such as bromide salts, hexamine, phenacetin, phenazone, etc. Cream of tartar continues quite steady, and the improved tone is maintained in tartaric acid. Citric acid is cheaper, however, and citrates have been reduced by 3d. per lb. On the other hand, bismuth salts are dearer (carbonate by 1s. per lb.) following an advance in the metal. Among crude drugs, changes comprise easier prices for menthol and kola; ipecacuanha is slow of sale, and sarsaparilla is quite neglected. In the essential oils market prices have mostly tended downwards, principally owing to lack of demand; among them are Chinese star anise and cassia, Sicilian lemon, bergamot and orange. West Indian lime is firm. In regard to other Mining Lane commodities, there has been another spasm of weakness in sugar, prices having been considerably reduced again all round, and there is some talk of some dumping eventually by Russia in consequence of the huge crop now being harvested there. Rubber has been a bright spot, more confidence having asserted itself under steady, good buying, while decreased shipments are expected this month from Malaya; the restriction on production seems to continue unrelaxed. Among industrial chemicals business continues of limited volume. Arsenic is slightly dearer on short supplies; formaldehyde meets with a fair demand at keenly cut rates. Carbolic acid crystals are steady, with a fair amount of business; cresylic acid is dull and weak, while naphthalene is easier. Among the fixed oils most items have remained quiet, with an easier tendency in values of palm, castor, rape, linseed and turpentine oils.

Higher	Firmer	Easier	Lower
Bismuth metal Bismuth salts Senna pods Tinn. (f.a.q.)	Arsenic Rubber Wax, bees	Caraway seed Castor oil Cod-liver oil Kola Linseed oil Menthol Naphthalene Peppermint oil (Jp.) Rape oil Turpentine Wax (Carnauba)	Anise (star) oil Bergamot oil Caffeine Cassia oil Citrate Citric acid Cumin seed Lemon oil Orange oil Palm oil Pepper Shellac

The final drug auction of the year will be held next Thursday, November 27

Crude Drugs, etc.

ALOES.—Curaçao in cases is easier for shipment. The spot price is unchanged and supplies are practically exhausted; one or two small shipments are on the way.

BISMUTH.—It is not easy to account for the action taken by the Bismuth Association in raising their price of metal by 1s. per lb. to 5s. per lb. to-day (Thursday). Evidently the accumulation of supplies existing over last spring which caused the official price to be cut from 5s. to 4s. on May 28, have been materially reduced, while this comparatively low figure stimulated the demand sufficiently to induce the Association to restore the quotation to where it stood before. Possibly there has been another reason for the revision, which had been hardly expected, considering that it had been for some time past possible for manufacturers of bismuth salts to fill some of their requirements of metal from outside sources at well under the "pegged" figure of the Syndicate. The fact may be mentioned that the tin mining industry in Bolivia has

been badly handicapped for some time past on account of the severe depression in this metal; and it is assumed that the production of bismuth there has been notably affected. Bolivia, of course, is one of the largest world producers of bismuth. The change made this week is the third one recorded this year. There was no alteration enforced for the whole of last year, while the Syndicate's price which stood at 9s. per lb. until February 3, 1928, was on July 9 lowered in the same year to 7s. 6d., from which there was no modification until March 20 this year to 5s., and on May 28 to 4s.

CADMIUM.—There has been no improvement in the demand, while consumers seem anything but anxious so far to take advantage of the reduced prices at about 1s. 10d. to 1s. 11d. per lb. There is apparently a good surplus awaiting disposal, and for this reason, and on account of keen Continental competition, further concessions may possibly ensue.

CAMPHOR (REFINED).—Japanese slabs are quoted at 2s. 2½d.; flowers at 2s. 4d., and 4-oz. tablets at 2s. 9d.; to arrive, 2s., 2s. 0½d. and 2s. 6½d. c.i.f. is quoted respectively. A new arrangement is in vogue whereby shipments of less than 25 cases are charged ¼d. per lb. extra.

CARDAMOMS.—During October 97 cwt. was landed in London, the deliveries being 230 cwt.

	1926	1927	1928	1929	1930
				cwt.	cwt.
Landed during Jan./Oct. (cs.)	3,921	3,391	1,753	1,931	1,726
Delivered during Jan./Oct. (cs.)	2,882	2,617	2,776	1,617	1,756
Stock end of October (cs.)	1,609	2,313	1,157	1,571	1,460

The figures for 1929-30 are returned in cwt.

Decorticated seed to come forward in half-ton lots is quoted at 2s. 2½d. c.i.f.; spot price of Bombay seed is 3s. 6d.; green Alleppy pod at 1s. 7d. c.i.f.

CASCARA SAGRADA.—New bark just arrived is quoted at 45s. to 47s. 6d. per cwt. on the spot; one year old is 56s. and two year old 65s.

The landings in London during October were five tons and the deliveries five tons, leaving a stock of 56 tons, against 141 tons in 1929; the landings to date (January 1 to October 31) have been 42 tons, against eight last year, and the deliveries to date 144 tons, against 160 last year.

CINCHONA.—An auction of Java pharmaceutical bark will be held at Amsterdam on December 3, when 1,416 packages (493 bales and 923 cases), weighing 49,438 kilos, will be offered, containing 1,143 kilos quinine sulphate.

CLOVES are steady. Zanzibar is quoted at 1s. 4½d. per lb. spot (nom.). Sales afloat have been made at 1s. 2½d. and 1s. 2½d. October-December shipment is quoted at 1s. 1½d. per lb. c.i.f. Madagascar is quoted at 1s. 3½d. per lb. spot.

The landings of Zanzibar in London during the week ended November 15 amounted to 125 and the deliveries to eight, leaving a stock of 382, against 412 in 1929 and 3,028 bales in 1928. From January 1 to November 15 the landings of Zanzibar have been 6,385, against 6,518 in 1929, and the deliveries have been 6,000, against 8,493 in 1929. Of Madagascar, the landings for the week ended November 13 were 375 and the deliveries two, leaving a stock of 986, against 14 in 1929 and 1,628 bales in 1928. The landings of Madagascar this year to date have been 5,745, against 648 in 1929, and the deliveries 4,772, against 3,379 in 1929.

COCOA BUTTER.—Prime English is quoted at from 11½d. to 1s. per lb., C.F.R. at 1s. 0½d., and Van Houten's A at 1s. 0¾d., in not less than one-ton lots.

COCONUT (DESICCATED) is quiet and unchanged. Fine, medium and coarse on spot is quoted at 26s. per cwt. For shipment, about 24s. 6d. per cwt. c.i.f. is quoted for November-December.

COD-LIVER OIL.—In regard to the market for cod-liver oil, it is contended in Norway that the present prices are now on such a low level that they do not cover the cost of production. It must be taken into consideration that the whole of this year's production has been exported, and according to statistics of the last two years the exports have been about 35,000 hectolitres from the beginning of November until the middle of February, when the new crop begins to arrive on the market. The exports of medicinal quality from January 1 to October 25 amounted to 73,208 barrels, against 96,897 barrels for the corresponding period of 1929. Attention must be drawn to the fact that the 1929 figures included a large proportion of oil for veterinary purposes, while the 1930 figures refer to medicinal oil only, the oil for veterinary purposes being exported under a special description.

COLOCYNTH.—A report issued from the Sudan states that, apart from certain extensive stocks carried forward from the 1928 crop, the 1929 and 1930 crops have been totally neglected and destroyed, the cost of collection, cleaning, handling and transport being in excess of prices

paid; until prices improve considerably no new crop must be expected.

DRAGON'S BLOOD.—Ten cases have arrived from Penang.

The landings in London during October amounted to 51 cases and the deliveries to 20 cases, leaving a stock of 220, against 111 last year; the landings to date (January 1 to October 31) have been 181, against 52 in 1929, and the deliveries to date 98, against 98 last year.

ERGOT remains easy, with Russian offered at from 9½d. to 10½d. per lb. on the spot.

GAMBOGE.—The landings during October were nil, and the deliveries six cwt.

GINGER.—Jamaica is very steady at from 65s. to 90s., as to quality. West African is quiet at 40s. on the spot and at 38s. 6d. c.i.f. to arrive.

GUM ACACIA.—A fresh situation has arisen, and although the market is generally quiet, certain operators have been selling below current values in order to force sales; consequently, the market weakened, but this may be only temporary in view of the fact that no new crop has yet been picked. Old crop Kordofan is now offered for prompt shipment at 43s. 6d. c.i.f. for natural sorts and 45s. 6d. c.i.f. for cleaned. New crop for December-January shipment is quoted at 42s. 6d. c.i.f. for natural and 44s. 6d. c.i.f. for cleaned. Kordofan cleaned on the spot is still selling at a premium and up to 59s. has been paid. Natural is scarce at 55s. spot. Bleached is slightly easier at from 140s. to 145s., as to quality. Talha is 35s. spot and 25s. per cwt. c.i.f.

IPECACUANHA is slow of sale, Matto Grosso offering at 12s. 6d. per lb. and Cartagena at 11s. The "Highland Monarch" has brought 15 bales from Monte Video.

The landings of all descriptions in London during October were 10 cwt. and the deliveries 47 cwt., leaving a stock of 88 cwt.

KOLA is easier, good West Indian offering at 3½d. per lb. and African quarters at 2½d. on the spot. On c.i.f. terms, in five-ton lots, West Indian is offered at 17s. 6d. per cwt. c.i.f.

MENTHOL.—The spot price is easier at from 13s. 9d. to 14s. per lb. for K/S. Forward prices are practically unchanged, with sellers at 11s. 9d. c.i.f. for any position during the next six months, with buyers at 11s. 6d. c.i.f.

MERCURY.—Business on the spot has continued hand to mouth. Spot prices net as quoted by the Combine stand at £21 18s. 9d. per bottle. The f.o.b. quotation for shipment is £21 15s. for at least 25 bottles. U.K. imports for last month were appreciably less than for September, amounting to 1,195 bottles, making a total for the ten months of 12,910 bottles, against 4,888 bottles for the same period last year. Re-exports for the ten months were 2,646 bottles, comparing with 4,265 bottles for January-October last year.

PEPPER is lower at 7d. per lb. spot for Lampong. To arrive, sales include August-October at 6½d. to 6½d., to 6½d., October-December at 6½d. to 6½d. to 6½d., and January-March at 6½d. to 6½d. to 6½d. c.i.f. Tellicherry for January-March shipment is 62s. 6d. c.i.f. Alleppy for January-March shipment is 55s. c.i.f. White Muntok is easier at 11½d. per lb. spot. To arrive, sales for shipment include August-October at 9½d. to 9½d. to 10d., October-December at 9½d. to 9½d. to 10d., and January-March at 9½d. to 9½d. to 10½d. c.i.f.

PIMENTO is quiet and unchanged at 6½d. per lb. spot, with sales of November-December shipment at 50s. to 51s. c.i.f.; December-January shipment is quoted at 50s. 6d. c.i.f.

SARSAPARILLA has been neglected for a lengthy period. Grey Jamaica is offered at 1s. 5d.; red native Jamaica at 1s. 6d., palish at 1s. 5d., and mixed colours at 1s. 4d.

SEEDS.—**ANISE.**—Spanish is 51s., Bulgarian 37s. 6d., and Russian 31s. per cwt. on the spot. **FENNEL.**—Bulgarian is 45s. and Indian 37s. 6d. on the spot. **CANARY.**—Mazagan on spot is still quoted at 25s., and Tangier has been sold at 24s. spot. Morocco is offered at 23s. 6d. spot and Turkish (2 per cent.) at 20s. 6d. Turkish for shipment is now quoted at 18s. c.i.f. **MILET.**—Morocco is quiet at 8s. per cwt. spot. **CUMIN.**—Malta is 60s. on the spot for fair average quality. Morocco on spot is now offered at 52s. 6d. and for shipment 50s. c.i.f. is quoted. **FENUGREEK.**—There are sellers of old crop on the spot at 18s. New crop of very poor quality is offered at 16s. 6d. **CORIANDER.**—Old crop on the spot is offered at 9s. 9d., and new crop at 9s. 6d. per cwt.; no business is passing. **CARAWAY.**—Dutch of old crop on spot is now quoted at 32s., and new crop at 30s. ex store. **MUSTARD.**—English is 26s. to 33s. per cwt., according to quality.

SENEGA.—Spot sellers quote from 2s. 11d. to 3s. per lb., and in isolated instances slightly less has been accepted; to arrive, 2s. 9d. c.i.f. is quoted.

SHELLAC is easier at 87s. 6d. per cwt. for usual standard TN orange on the spot; fine orange is 110s. to 200s., pure button is 110s., and AC cakey 95s. per cwt. To arrive, sellers of December-January shipment, and January-February shipment, quote 75s. c.i.f. Sales for delivery include December at 81s., and March at 82s. 6d. to 83s. to 79s. 6d.

The Indian Lac Cess Act, 1930 (C. & D., August 23, p. 270) has been announced to become effective upon notification by the Governor-General in Council. The Act is designed to provide a fund to be used for the improvement and development of the cultivation, manufacture, and marketing of Indian lac. It provides for a collection on all lac and refuse lac produced in British India and exported from any customs port to any port beyond the limits of that country, or to Aden, a cess at the rate of 4 annas per maund (82½ pounds) on lac and 2 annas per maund on refuse lac, or such lower rates as the Governor-General in Council may by notification prescribe.

WAX (BEES) is steadier. Calcutta ordinary yellow is £5 5s. per cwt. Benguela and Madagascar is £5 12s. 6d. to £5 15s. Abyssinian good orangey is £5 17s. 6d. to £6; good white bleached Calcutta is £7 17s. 6d. c.i.f. and £8 15s. per cwt. spot. Jamaica is £6 per cwt.

WAX (CARNAUBA) is easier, chalky on the spot offering at 84s. and fatty grey at 86s.; to arrive, 72s. c.i.f. and 76s. 6d. c.i.f. is quoted respectively. Primera on the spot is 130s. and 109s. c.i.f., while Mediana is 118s. 6d. spot and 102s. c.i.f. to arrive.

Essential Oils

THOUGH prices of many essential oils are very much lower than those prevailing a year ago, no steady demand is to be reported. Citrus oils are weak. Star anise, cassia, bois de rose, citronella, and Bourbon geranium are easier. Oregon peppermint is offered cheaper c.i.f. for shipment.

ANISE (STAR) is cheaper, "Red Ship" brand offering in leads at 3s. 9d. per lb. and tins at 3s. 7½d. Arrival prices are also cheaper, leads offering for November-December shipment at 2s. 8d., December-January at 2s. 7d., and January-February at 2s. 6d. per lb. c.i.f.; tins are 1½d. and drums 3d. per lb. less than the foregoing. Tonkin in tins is offered at 3s. 7d. on the spot.

BERGAMOT is slightly easier, 38 to 40 per cent. offering at 9s. to 9s. 3d. per lb. on the spot and at 8s. 6d. to 9s. c.i.f. for 38 to 40 per cent., and 6d. less for 35 to 37 per cent.

BOIS DE ROSE.—Brazilian is offered cheaper at 5s. 9d. per kilo on the spot, and is scarce for shipment, prices being nominal at 5s. 3d. per kilo c.i.f.

CASSIA is lower, spot offering at 3s. 3d. per lb., and to arrive at 2s. 11d. c.i.f.; lack of business is responsible for the reduction.

CITRONELLA is easier. Java on the spot is quoted at from 2s. 2d. to 2s. 3d. per lb., and at 2s. 2d. per lb. c.i.f. for November-December shipment. Ceylon is also easier at 2s. 1d. per lb. spot, and to arrive at 1s. 9½d. to 1s. 10d. per lb. c.i.f.

GERANIUM.—Bourbon is lower at from 15s. 9d. to 16s. per lb. spot, according to seller. Stocks of Algerian at the source are small, and there are few offers at the moment.

GINGERGRASS is unchanged at 7s. per lb. spot and 6s. 6d. per lb. c.i.f. to arrive.

JUNIPER BERRY is offered on the spot at 4s. 11d. per lb. for Continental distilled.

LEMON is slightly easier, Sicilian hand-pressed offering at 3s. 5d. per lb. on the spot and at 3s. 4d. c.i.f. Machine-made is 2s. 11d. spot and 2s. 10d. c.i.f.

LIME.—West Indian distilled remains firm on the spot at 34s. per lb., and for forward shipment 31s. c.i.f. is quoted.

ORANGE.—Sicilian sweet is offered at from 6s. 9d. to 7s. per lb. c.i.f., and on the spot at from 7s. 3d. to 7s. 6d. per lb. Bitter is at from 3d. to 6d. per lb. on these prices. West Indian is 6s. 6d. spot and 6s. c.i.f. to arrive.

PALMAROSA is unchanged at 8s. 6d. per lb. spot and 8s. c.i.f. for shipment.

PEPPERMINT meets with little business, Japanese demethylated offering at 4s. 3d. per lb. on the spot for K/S and other brands at 4s. 1d. To arrive, October-December or January-March shipment is quoted at 3s. 8d. c.i.f. for K/S and at 3s. 7d. c.i.f. for other brands. American natural peppermint oil is quoted on the spot at 9s. 6d. per lb. in tins and 9s. per lb. in drums for good branded oil. To arrive, tins are offered at 9s. 3d. per lb. c.i.f.

H.G.H. is 13s. 9d. per lb. in landed terms. Reference has been made previously (*C. & D.*, October 18, p. 496) to the production of peppermint oil in the American North-West, particularly in the state of Oregon, which, together with the State of Washington, shows an estimated total output this year of 150,000 lb. This oil is of excellent quality and has shown on analysis to have a menthol content of 62.21 per cent, and an ester content of 6.99 per cent. The high menthol content and good flavour of this oil make it eminently suitable for blending with oils produced in other American States which may be very deficient in menthol. Oregon-produced oil in drums is now quoted lower by London agents at 3s. per lb. c.i.f. to arrive, subject to cable confirmation.

SASSAFRAS.—Genuine American natural oil is offered by sellers on the spot at 5s. per lb. To arrive, the price is at from 6s. 3d. to 6s. 9d. per lb. c.i.f., according to brand.

SPEARMINT is offered at 14s. per lb., and 13s. per lb. c.i.f. to arrive for good branded oil.

WORMSEED (CHENOPODIUM) is very firm at 18s. per lb. c.i.f. to arrive.

The following arrivals have taken place from the countries indicated during the period November 5 to November 11 inclusive: Anise (Fr.) 25 pkg.; citronella (Guat.) 3 dm., (Cey.) 13 dm.; clove (Mad.) 1 cs.; eucalyptus (Aust.) 7 dm. 20 cs.; geranium (Fr.) 7 dm.; lemon (It.) 264 cs.; lime (Trin.) 1 cs.; orange (It.) 117 cs.; pennyroyal (Sp.) 3 dm. 2 cs.; peppermint (U.S.) 5 cs.; petitgrain (Arg. Rep.) 15 cs.; sandalwood (Aust.) 40 cs.; spearmint (U.S.) 1 cs.; undescribed (Kenya) 3 cs., (U.S.) 12 cs., (Fr.) 2 dm. 5 cs., (It.) 45 cs.

Pharmaceutical Chemicals, etc.

A VERY limited volume of business continues in this section, while quoted prices show but little alteration. Competition, with consequent price-cutting, continues in many products, such as hexamine, phenacetin, phenazone, etc. Bismuth salts have been advanced (carbonate by 1s.) following an advance in the metal. Citrates are 3d. per lb. cheaper following the reduction in citric acid.

ACETANILIDE continues to be quoted from 1s. 4½d. to 1s. 6d. per lb. for B.P. crystals and powder; market is dull.

AMIDOL is quoted at 7s. per lb. in one-cwt. lots.

ASPIRIN.—Quite good business continues and quoted rates are being maintained in most quarters: home trade, 2s. 9d. to 2s. 11d. per lb., as to quantity; export to Colonies and British Possessions, ten cwt., 2s. 8d. up to 2s. 9½d. per lb. for small lots; export to other destinations, ¼d. to ½d. per lb. more.

BARBITONE remains sluggish and spot prices continue at the comparatively low levels of about 7s. to 7s. 3d. per lb., ex store.

BENZALDEHYDE is steady on a quiet market: quantities of f.f.c. in carboys, about 2s. per lb.

BENZOIC ACID is quoted at 1s. 11d. per lb. in one-cwt. lots.

BROMIDES.—A very moderate volume of business continues at keen rates, English makers' prices being very competitive: ammonium, 1s. 8½d. to 1s. 8¾d.; Potassium, B.P. crystals, 1s. 4½d. to 1s. 5d.; granular, about 1s. 4½d.; sodium, B.P., 1s. 7d. to 1s. 8d. per lb., as to quantity.

BUTYL CHLORAL HYDRATE is quoted at 8s. per lb. in 14-lb. lots.

BISMUTH SALTS.—The makers advise an advance in the prices of bismuth salts (by 1s. per lb. on carbonate) since their last advice of May 28, 1930. The prices are as under, and apply only for cash terms:—

	8 lb. and under 28 lb.	28 lb. and under one cwt	Not less than one cwt.
	per lb. s. d.	per lb. s. d.	per lb. s. d.
Bismuth carbonate ..	8 3	7 9	7 6
" citrate ..	8 3	7 9	7 6
" nitrate cryst. ..	5 9	5 3	5 0
" oxide ..	10 3	9 9	9 6
" salicylate ..	8 0	7 6	7 3
" subchloride ..	9 6	9 0	8 9
" subgallate ..	8 0	7 6	7 3
" subnitrate ..	7 3	6 9	6 6

A rebate of 3d. per lb. will be allowed on sales of not less than 2 cwt. (either for prompt delivery or on contract), provided delivery is completed or paid for, within three months. Liquor bismuth P.B. in Wqts. is 1s. 2d., 6 wqts. 11½d., 12 wqts. 10d., 36 wqts. 9½d.

The following prices and terms apply to the sale of bismuth salts from Nov. 19, 1930, until again revised:—

	Net monthly account.	Net 14 days, (a)			
	under 8 lb.	8 lb. and under 28 lb.	28 lb. and under 1 cwt.	Not less than 1 cwt., (b)	
	Per lb. s. d.	Per lb. s. d.	Per lb. s. d.	Per lb. s. d.	
Bismuth carbonate	9 6	8 3	7 9	7 6	
" citrate ..	9 6	8 3	7 9	7 6	
" nitrate cryst.	7 0	5 9	5 3	5 0	
" oxide ..	11 6	10 3	9 9	9 6	
" salicylate ..	9 3	8 0	7 6	7 3	
" subchloride	10 9	9 6	9 0	8 9	
" subgallate	9 3	8 0	7 6	7 3	
" subnitrate	8 6	7 3	6 9	6 6	

(a) If sold on monthly account 3d. per lb. extra is to be charged.

(b) A rebate of 3d. per lb. will be allowed on sales of not less than 2 cwt. (either for prompt delivery or on contract) provided delivery is completed or paid for, within three months.

The sale of bismuth salts is subject to an undertaking on the part of the buyer not to resell any of the salts specified above at prices and terms under the scale for such quantities current at the time the resale is made.

CAFFEINE.—The pure alkaloid is quoted at 6s. 9d., and caffeine citrate at 5s. per lb.

CALCIUM LACTATE is moving off fairly well, with prices holding steady: quantities at 1s. 1½d. up to 1s. 3d. per lb.

CHLORAL HYDRATE (duty-paid crystals) is a bright feature, with home makers' prices firm at 2s. 11½d. for quantities in boxes and 3s. 0½d. in jars; smaller lots, up to 3s. 1½d. per lb.; foreign, on spot, 3s. 3d.

CITRATES.—The makers have reduced quotations by 3d. per lb., and now quote the following net prices from November 18, 1930, until again revised:—

	Under 4 lb.	4 lb. and under 7 lb.	7 lb. and under 14 lb.	14 lb. and under 28 lb.	Not less than 28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
Iron ammonium	2 11	2 9	2 7	2 5	2 2
citrate scales	2 9	2 7	2 5	2 3	2 0
Potassium citrate					
Sodium citrate	2 5	2 3	2 1	1 11	1 8
B.P.C. 1911...					
Sodium citrate	2 9	2 7	2 5	2 3	2 0
B.P.C. 1923...					

The sale of the citrates specified above is subject to an undertaking on the part of the buyer not to resell any of them at prices under the scale for such quantities current at the time the resale is made.

CITRIC ACID (B.P. crystals).—There is no improvement to record; business remains poor and spot offers remain in the region of 1s. 4½d. to 1s. 5d. per lb., less 5 per cent., for quantities of foreign. British makers have reduced their prices to 1s. 3d. per lb. less 5 per cent.—a fall of 2d. to 3d., approximately half of which is the result of a reduction in raw material.

COCAINE.—Hydrochloride and other salts of cocaine are quoted at 20s. 11d. per oz., and the pure alkaloidal crystals at 22s. 11d. per oz. in 25-oz. tins.

CREAM OF TARTAR.—Reports to hand show the market to be quite steady at last week's quotations of 88s. to 89s. per cwt., less 2½ per cent., for quantities of foreign powder; there is a firm undertone. British makers' prices are unchanged.

CREOSOTE (B.P.) continues to be quoted on spot by dealers at 1s. 8d. to 1s. 9d. per lb., as to quantity; business is small.

CREOSOTE CARBONATE meets with but small inquiry: dealers quote spot at about 5s. 9d. to 6s. per lb., as to quantity.

GALLIC ACID.—Pure cryst. is quoted at 2s. 9½d. per lb. in one-cwt. lots.

GUAIACOL CARBONATE remains dull, with spot offers in the region of 4s. 4d. to 4s. 8d. per lb. as to quantity.

HEXAMINE continues in fair demand at from 1s. 10d. to 1s. 11½d. per lb., as to quantity.

HYDROQUINONE is steady, but business is not of much account: quoted from 3s. 7½d. to 4s. 5d. per lb. as to quantity.

LACTIC ACID (B.P.) is unchanged at from 1s. 11d. to 2s. 1d. per lb., as to quantity and packing.

LITHIUM CARBONATE is quoted at 5s. per lb.

METHYL SALICYLATE (B.P.) continues to find good business, with prices steady at 1s. 3d. to 1s. 5d. per lb., as to quantity.

METHYL SULPHONAL remains slow of sale, with dealers offering spot at 12s. 7d. to 13s. 10d. per lb., as to quantity.

PARAFORMALDEHYDE is about steady and business is fair: 100 per cent. powder, from 1s. 6½d. to 1s. 7d. per lb., as to quantity.

PARALDEHYDE is steady at from 1s. 1d. to 1s. 3d. per lb., as to quantity and packing.

PHENACETIN.—A moderate volume of business is moving, but prices obtained are very keen, the controlled rates being discounted: quoted from 3s. 8d. to 3s. 10½d. per lb., as to quantity for crystals, with powder 1½d. per lb. more.

PHENAZONE has been sluggish and the controlled prices of 6s. 11d. to 7s. 3½d. per lb., as to quantity, for crystals are being shaded; powder, 1½d. per lb. more.

PHENOLPHTHALEIN is about steady on a quiet market at 5s. 11d. to 6s. 1½d. per lb., as to quantity.

POTASSIUM SULPHOGUAIACOLATE is quoted at 3s. 7½d. per lb.

PYROGALLIC ACID.—Crystals are quoted at 7s. 2½d. per lb. in one-cwt. lots, and resublimed at 8s. 6d.

RESORCIN is quoted on spot at 2s. 11d. to 3s. 2d. per lb., as to quantity.

SALICYLIC ACID (B.P.) is firm for home trade by makers at 1s. 5d. to 1s. 8d. per lb., as to quantity. Technical quality is 1s. to 1s. 2d. per lb.

SALOL is quoted at 3s. 9d. per lb. in one-cwt. lots, powder being 1½d. per lb. more.

SODIUM BENZOATE is quoted at 1s. 7½d. per lb.

SODIUM DIETHYLBARBITURATE is quoted at 9s. per lb.

SODIUM SALICYLATE (B.P.).—Prices for home trade are unchanged: two tons, 1s. 10d. up to 2s. 5d. per lb. for small lots of powder; crystals, 1d. per lb. more. Export prices are unchanged. Home and Continental makers quoting level.

SULPHONAL is slow of sale, with spot offers in the region of 10s. 1d. to 11s. 2d. per lb., as to quantity.

TANNIC ACID (B.P. *levis*) is steady and business is fair: quantities at about 2s. 8d., with small lots up to 2s. 10d. per lb.

TARTARIC ACID (B.P. crystals).—The improved tone reported during the past two weeks is well maintained: spot offers are held from 1s. to 1s. 0½d. per lb., less 5½ per cent., for foreign; business has been on a fair scale and there is a firm undertone forward. British makers' prices are unchanged.

TERPINEOL.—Chemically pure, in tins, is quoted at 1s. 2d. per lb.

THEOBROMINE.—The pure alkaloid is quoted at 7s., and the sodium salicylate at 5s. 6d. per lb.

THYMOL is unchanged on a slow market: synthetic fine white, 7s. 3d. to 7s. 6d. per lb., as to quantity; ex ajowan seed, 7s. 9d. per lb.

VANILLIN is steady, but business is slow and small: ex clove oil, 14s. per lb., in cwt. lots; ex guaiacol, about 12s. 3d. per lb., in cwt. lots, and less for big quantities.

Industrial Chemicals, etc.

London, November 19.

A GENERALLY steady tone continues in this section and there is little alteration to record. Arsenic is firm at slightly higher rates. Business as a whole is limited in volume. ACETIC ACID shows no change on a rather sluggish market, ACETONE is steady, and AMMONIA (ANHYDROUS) is unchanged. AMMONIUM CHLORIDE is moving fairly well, with dealers' prices steady: grey galvanising, £21 7s. 6d. per ton, in casks, ex store; slightly less for contracts. ARSENIC.—The tone is still firm, the market being dominated by the continued scarcity of white Cornish, which is quoted at £18 7s. 6d. to £18 10s. f.o.b. mines. Mexican high grade is called £17 15s. c.i.f. Liverpool. American imports this year to the end of August were only 73 tons, as against 240 tons in 1929. COPPER SULPHATE.—There has not been much improvement in the demand, and British Associated makers quote about £21 f.o.b. for casks, less 5 per cent. U.K. exports for last month were a little better at 1,427 tons, comparing with 783 tons for the same month last year. The violent fluctuations noted lately in the price of rough bar copper have, if anything, tended to prejudice the demand, and there is now no longer any fear of any advance in sulphate, since the price of copper has fallen back substantially after the recent rapid rise.

FORMALDEHYDE is moving off fairly well, but competition is very keen: quantities of 40 per cent. by volume at slightly less than £31 per ton, in casks, ex store. ISOPROPYL ALCOHOL remains quiet, with reliable quality offering at 10s. 6d. to 11s. 6d. per gallon, in drums, carriage paid; less for lower grades. POTASSIUM CHLORATE is dull and easy for quantities at £24 10s. per ton; small parcels, from 3d. per lb., ex store. POTASSIUM PERMANGANATE is not in much request, but prices for commercial quality in two-cwt. drums are steady at 4½d. to 5d. per lb., ex store. SODIUM ACETATE is still of little interest: spot offers are in the region of £18 12s. 6d. per ton, in casks, ex store. SODIUM CHLORATE is now very steady at from £23 5s. per ton; spot lots, from 3d. per lb.; supplies on spot are short. COAL-TAR PRODUCTS, ETC.—There is no important alteration in prices to record this week. Carbolic acid crystals are in better demand, while cresylic acid is dull and weak. ANILINE OIL and ANILINE SALT are both offered at 8½d. per lb. BETANAPHTHOL is steady at 8d. per lb., carriage paid. CARBOLIC ACID CRYSTALS are in a little better demand, with the market steady at makers' prices: small parcels, 6½d.; five-ton lots, 5½d.; 20-ton lots, about 5½d. per lb., in drums with over-casks, carriage paid or f.o.b. Crude carbolic 60's, 1s. 6d. to 2s. per gallon, naked at works. CRESYLIC ACID is dull of sale, with prices easy: pale 98 to 100 per cent., 1s. 9d. to 1s. 11d.; dark, 95 per cent., 1s. 5d. to 1s. 6d.; purer qualities from 2s. 3d. to 2s. 6d. NAPHTHALENE continues dull and is rather easier: flakes and balls, ex wharf, about £13 5s. per ton, in cases. METHYL ALCOHOL is unchanged, with the market keen; ton lots, about £41 per ton, in drums, ex store; cheaper prices for large quantities. TOLUOL and XYLOL are unchanged. PITCH continues to receive a little business for shipment, but in the majority of cases prices obtained are under the controlled figure of 47s. 6d. per ton, f.o.b. East Coast.

Fixed Oils, etc.

MOST products in this market have remained quiet during the past week, and some items, such as palm oils, castor, rape, linseed oil and turpentine are easier. ACID OILS are dull and irregular: coconut and/or palm kernel, 21s. 6d.; groundnut, 20s. 6d.; soya, 18s. 6d. spot. CASTOR.—A further slight fall in values is recorded, with the market dull: pharmaceutical, 41s.; first pressings, 37s.; second pressings, 34s. per cwt., in barrels, in not less than one-ton lots. COCONUT.—Market remains dull, with values unchanged: deodorised, spot, 38s.; Ceylon, 26s. 3d. c.i.f. COTTON.—Values are about maintained on a slow market: deodorised, 35s. 6d.; common edible, 31s. 6d.; soapmaking, 27s. 6d.; crude, 26s. GROUNDNUT.—Business has been slow; market irregular: deodorised, spot, 37s.; crude Oriental, 23s. c.i.f. PALM KERNEL has remained dull: deodorised, 37s. 3d.; crude, 27s. 6d. spot. PALM.—A further slight loss in values for all grades is recorded and the market has been quiet throughout: Lagos, 22s.; softs, 21s. 6d.; mediums, 21s. 6d.; hard, 22s.; bleached, 24s. 6d. spot. RAPE is easier on a slow market: refined, 35s. 9d.; crude, 32s. spot. SOYA.—Values are unchanged on a dull market: deodorised, 35s. 6d.; crude, 24s. spot. LINSEED (raw, naked).—The market is easier forward and has been quiet, with the tone unsteady: on spot, 26s. 6d.; November, 25s. 9d.; December, 23s.; January-April, 21s.; May-August, 20s. 1½d. Boiled oil on spot, 30s. TURPENTINE.—The tendency has been again in buyers' favour, spot closing at 35s. 9d.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1930, p. 341.

(From "The Trade Marks Journal," October 22, 1930.)

"PRAGMOLINE"; for medicinal chemicals (3). By Société des Usines Chimiques Rhone-Poulenc, 21 Rue Jean-Goujon, Paris (8.e), France. 515,876.

"PEN" BRAND with design of quill pen on either side; for toilet preparations (48). By Clay & Abraham, Ltd., 87 Bold Street, Liverpool. 510,257. (Associated.)

"FEUX-FOLLETS" for perfumery, etc. (48). By Parfumerie Roger & Gallet, 38 Rue d'Hauteville, Paris, France. 515,144.

"PULVREMOR"; for face cream (48). By Hartness, Ltd., 2 Victoria Road, Clacton-on-Sea. 515,323.

"ESGARNO"; for perfumery, etc. (48). By S. S. Garnham, 192 Upminster Road, Rainham, Essex. 516,312.



Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

Draft Pharmacy and Poisons Bill

SIR,—I wish it were possible for every chemist on the Register to be supplied with a copy of your leading article on p. 618 of last week's *C. & D.* Discussing the draft Bill with many chemists, I feel sure they do mind, but the majority of pharmacists seem to suffer from an excessive loyalty to the "powers that be" in pharmacy—a loyalty that is not always fully appreciated. The first official pronouncement after the draft Bill was published was a strongly-worded request that members would refrain from discussing the Bill till the Council had fully considered it; at the same time the Council announced that they had provisionally accepted the Bill. During many months we have had little or no information of the progress of their deliberations. We hear rumours, the latest being that "the committee appointed to consider the Bill are in a tangle, and the Council do not know where they are." Meantime the Home Secretary informed the House of Commons a few nights ago that the Government are considering the introduction of a Bill on the lines of the draft Pharmacy and Poisons Bill. A short time ago Mr. Neathercoat lectured the branches for their failure to send delegates to Cardiff, although no one knows better than he does that, if there had been a full muster of delegates, any resolution proposed by them would not have been allowed to be put to the meeting. From all accounts the usual fearful pharmaceutical bogey was paraded successfully, "That if the Council had not accepted the Bill, they would have been faced with the alternative of 'taking or leaving' a Bill introduced by the Government or a Government department." The best reply to that is: if the Government or a Government department introduces a Poisons and Pharmacy Bill, then it is their affair, and they can "get on with it." Pharmaceutical posterity will have some hard things to say about a Council, or even a rank and file, that lends any assistance in introducing legislation that contains the humiliating condition and loss of professional status that this absurd draft measure proposes. Some years ago a 100-per-cent. unanimity of the Scottish chemists prevented the Government, even when supported by the Council of the Pharmaceutical Society, from forcing on them N.H.I. terms, that they considered unjust. A 100-per-cent., or less, unanimity of the chemists of Great Britain, if properly directed, can prevent any Government department, no matter by whom supported, from placing this humiliating and unjust measure on the statute-book. The suspicion is not absent that from the first the Council were prepared to barter the liberty and independence of the qualified chemists in exchange for the additional control, financial and disciplinary, granted to itself by the Bill. A careful study of the Bill leads to the conclusion that when the Government, the Home Office, Privy Council, British Medical Association, Institute of Chemistry, and other organisations are finished with the Poisons and Pharmacy Bill, there will be precious little pharmacy left for the Pharmaceutical Society to control.—Yours, etc.,

C. E. MONAGHAN.

Balham, London, S.W.17.

SIR,—Your leader in last week's issue, "Do Chemists Mind What Happens?" is a clarion call to all to be up and doing. Every organisation and every individual must bestir ere it is too late. Presumably the very isolation of the average chemist tends to make him apathetic; but if our organisations would draft letters both to the Society and to members of Parliament, every chemist could see to it that they were despatched to the proper quarter. Let us take our cue from the

medical profession, who make their opinions felt in no uncertain manner where professional rights are interfered with. All thanks are due to the *C. & D.* for ploughing the furrows, but the chemist must do his own sowing. Let the motto be, "Defence not defiance."—I am, etc.,

FIFESHIRE (18/11).

SIR,—Mr. Humphrey's letter in the current issue of your paper, together with your editorial statement, deserves immediate and careful consideration by every local Association in England, Scotland and Wales. It is made quite clear that it depends upon the individual and collective efforts of chemists themselves whether the draft Bill will be either amended, withdrawn, or passed into law without proper recognition of the rights of our profession as qualified chemists. Mr. Humphrey tells us that the question of the "quid pro quo" is the most urgent one, and we must agree with him; but unfortunately we have no present knowledge of the actual proposals as they are not contained within the Bill, and those who are in the secret refuse to give any information about them. From hints which have been dropped, it would appear that drug stores, oilmen, etc., are to be brought in to assist in the free trade in poisons without any proof of the need of this proceeding, and with no regard for the present Poisons Schedule. Why this should be necessary remains a mystery, since the present company law as it relates to pharmacy offers ample opportunity for those unqualified persons who wish to sell poisons, to assume the status of qualified firms or companies. Of course, some concession must have been demanded before the prospect of an assured and substantial income was proffered to the Pharmaceutical Society, and every registered chemist is entitled to know what is the nature of the proposal. Another objectionable feature of the draft Bill seems to have escaped notice. It refers to the erasure of names from the lists and the subsequent proceedings of appeal. An unqualified seller of poisons is to be allowed to appeal at the Quarter Sessions, where a solicitor may plead for him, but a qualified chemist must make his appeal to the High Court, where only a King's Counsel may plead his cause. Why should the difference be made, unless it has been foreseen that legal difficulties may arise in one case and not in the other? It will cost the chemist much more to secure justice for himself. Again, why? The Society could render a great service to the chemists if it would formulate proposals of its own and insist upon their inclusion in the Bill. May I suggest the following points for discussion?

That all B.P. preparations, and subsequent additions, be retailed by qualified chemists only.

That all stamped proprietary medicines be sold by chemists only.

That all pharmacies and dispensaries be inspected by qualified inspectors, both for D.D.A. and Pharmacy Acts purposes.

In return for these and other safeguards, that all chemists become members of the Society upon payment of an annual subscription, as proposed in the draft Bill.

These suggestions may appear to some as rather idealistic, but only a strong and straightforward policy can place the profession of pharmacy in a satisfactory position.—Yours truly,

A. J. HUNT.

East Dulwich, London, S.E.22.

SIR,—Your editorial, along with the correspondence columns of this week's issue, should at least move us to sound the clarion call. If chemists would only purchase a copy of the report and spend some little time in a critical examination of the same I feel no doubt will exist as to the ultimate fate the proposed legislation should meet with. It is nothing more or less than an iniquitous reaction of some Government department apparently moved by the authority it possesses. It has tasted blood and is after some quarry. The immediate question is how best to arouse the spirit of inquiry among pharmacists and to find the most effective means of carrying through a united opposition to the whole Bill. I understand the R.P.U. are conferring with the Pharmaceutical Society on the matter, within confined

limits apparently. I suggest we should have more enlightenment from our R.P.U. than we are receiving from the Society, not only as to what the Bill means, but as to what steps are being taken to defeat it. R.P.U. branches throughout the country should meet and pass resolutions calling for an emergency conference. Our opposition should be organised through the R.P.U. and presented to the Society through them.

Yours faithfully,

F. E. S. CLARKE.

Newport, Mon.

SIR,—In his article upon the draft Bill Mr. Humphrey did not place enough stress upon the provisions relating to place names and titles. "Pharmacy" as a place name, reserved for the sole use of chemists and druggists, should be specifically reserved in the Bill itself. The title of pharmaceutical chemist is abused to-day, and that in spite of definite reservation in the Pharmacy Acts. It is as clear as crystal in the Acts. "Pharmaceutical chemist" is reserved as a personal title, yet there are firms and limited companies who have been using that title for years without prosecution. This may sound a surprising statement to many, but let them carefully examine shop fronts in their neighbourhood and letter headings, price lists, etc., received from wholesalers.—Yours faithfully,

PH.C., 1911 (18/11).

SIR,—I was grieved and shocked to think that, with your intimate knowledge of chemists, you could ask the question, in big type, "Do Chemists Mind What Happens?" You might have equally well asked the question, "Do chemists' minds happen?" which is a corollary nearly according to Euclid. I am of the opinion that chemists do mind very considerably what is likely to happen; but you ought to realise that at present there is no means for the collective expression of their opinion; and from what I know of our so-called leaders, there is not likely to be any either. We have the Pharmaceutical Society, which by no means represents the chemists of Great Britain. It does not represent me, nor is it likely to. I have managed very successfully for about thirty-six years, and have not noticed that I have missed anything. Then there is the Retail Pharmacists' Union, which also does not represent every chemist. These two organisations probably between them do represent all the chemists, but I guess it is too much to hope that they will combine their energies under the circumstances, and definitely find out by a searching *questionnaire* what the collective opinion is. It is an easy conclusion that they will both decide that they have no power to do this. It is really remarkable what a number of things collective bodies find themselves unable to do. All bunk, of course. I reckon that the pitch has been queered from the start by a claim for "status." . . . It appears to be that the Pharmaceutical Council, misnamed the Society, will be made affluent by the fines it proposes to inflict on pharmacists through the membership fee and the registration fee, and at the same time will be able to wallow in social glory. Why can they not advance the impersonal dignity of the craft, as distinct from the personal? . . . The chief trouble in most bodies, public and semi-public, is that individuals seek office on these bodies not for the prosecution of any particular principle, but for petty personal glory; the opportunity of appearing in the limelight of meetings and dinners and making great (?) speeches, and getting well reported in the Press. . . . And that attitude infests the whole body politic. You see it at meetings; the chairman is sacred. Ditto the secretary; and please note that secretaries are very frequently astute individuals. I have known a few of them, and I have noticed this about them—that when they can shine with no risk to themselves, they shine right enough, but when the opportunity presents itself of backing a principle, they invariably find that they are only the servants of the committee, and that they have no power. Very astute. And there we have it. Leaders astute—grand word that; but until the average individual protests against that astuteness and does it publicly—and

here again the Press steps in—nothing will be done. To point the moral and adorn the tale, I will say that I know an individual who went out of his way to collect thousands of signatures to impress upon the Pharmaceutical Society the desirability of getting legal sanction for the idea that only those properly trained for the job, i.e., registered chemists, should be allowed to sell any internal or external medicine concerned with the public health. The signatures were sent to the secretary of the Pharmaceutical Society, and the rest was silence. And here and now—for a period—I also exhibit silence.—Yours faithfully,

GEORGE F. CORRALL.

Enfield Wash.

SIR,—Mr. A. J. Hunt (*C. & D.*, November 8, p. 600) refers to the clause in the draft Bill dealing with compulsory membership of the Society and the removal of a chemist from the Register in case of non-payment of the fees. Although removal of any person from the Register might in certain circumstances prove a dangerous weapon, and one that might be wielded harshly or injudiciously, one cannot help thinking that the threat of such a punishment might go a long way towards eliminating many of the undignified methods of trading now pursued, and also to securing uniformity of action among chemists. I agree with Mr. Hunt in his remarks on the proposed fees; as the Bill stands at present we shall have to pay £5 annually for nothing.

Yours truly,

SUBSIDER (18/11).

Pharmacy Week

SIR,—We have just experienced another so-called "Pharmacy Week," which, naturally, some of us expected to be more striking than its predecessor, because it should have been organised more successfully in view of the lessons which were surely learned from last year's display. I have had opportunities of seeing a number of my fellow pharmacists' windows, and am disappointed and ashamed to see how many of them used the "window shows" provided by firms whose sole aim is to exploit the pharmacist as a distributor of their advertised wares. Again and again the question goes round, "What is wrong with pharmacy?" I have small hesitation in saying "The pharmacist." It is high time he ceased bewailing the laxity of the societies and organisations to which he subscribes, and set about cultivating a just and reasonable pride in his own abilities and his calling.—Yours faithfully,

M. WYKE (17/11).

Analysis of Turnover

SIR,—The table of analysis of stock purchases furnished by "Critique" (*C. & D.*, November 1, p. 552) is a very interesting one from a retailer's point of view, and proves conclusively that the larger part of our turnover to-day is afforded by patents. It is very difficult to make an exact analysis of this kind in relation to a chemist's business, as there is so much overlapping of the different classes of goods, and consequently there is no hard and fast line as to which class some of the items come under. For example, do packed goods refer to his own-name proprietaries only, or does he include in this class such things as packed castor oil, glycerin, chemical food, etc.? Toilet lines seem to show a very small figure in relation to the general turnover, considering the modern use of toilet preparations by all classes of society, and I should think would show a larger proportion to the total in many businesses. The decrease in the sale of foods is, I believe, a general experience, as unfortunately is the drop in total turnover, except in very rare instances. Part of this is undoubtedly due to price reductions and the introduction of smaller sizes of advertised lines, and it may also be due to what is termed the present trade depression, although I am not so sure that it is not rather a process of deflation following a "boom" period, and that in the future we shall have to try to carry on with considerably less returns for the same or even more work.—Yours truly,

DEFLATED (11/11).

Dispensing Notes and Difficulties

A Troublesome Throat Paint

SIR,—Will you kindly inform me if the following prescription for a throat paint can be dispensed, and if not what suggestions can be made to the prescriber?

Menthol	...	...	...	gr. 8
Spt. chlorof.	...	...	...	℥. 30
Cocain. hcl.	...	...	...	gr. 10
Glycerin.	...	...	...	℥ij.
Aquam	...	...	...	ad ℥ij.

Yours faithfully,
H. C. M. (9/9).

[Menthol is almost insoluble in glycerin or in water. The prescription is an undesirable one on all counts. The quantity of cocain. hydrochlor. is quite normal; applications may be any strength from $\frac{1}{2}$ to 10 per cent. of cocaine. In dispensing such a prescription the intention of the physician must be considered. A throat paint might contain mucilage of tragacanth without harm, but in this case too much would be required. We have made up this throat application in a manner which least modifies the doctor's prescription as follows:—Dissolve the menthol, gr. 8, in spirit chlorof. ℥ 30. Add to this tinct. quillaie, ℥ 40, and pour into the solution of cocain hydrochlor. in glycerin and water. The method does not make a perfect preparation. The menthol separates after standing, but is easily again distributed without difficulty. Label "Shake the bottle." Menthol is best administered in an oily spray. If the doctor brought the prescription in himself, the substitution of ol. menth. pip. might be suggested to him, as this would probably do all that the formula was expected to do.]

Troublesome Creams

SIR,—I enclose two prescriptions which have caused considerable anxiety when compounding, and I would be pleased if you could put forward some suggestions through your columns.

(1) Ol. lavand.	...	...	...	℥30
Zinc. oxid.,	...	...	...
Lanolin.,	...	...	...
Muc. tragac.	...	...	aa.	℥ijj.
Aq. calcis	...	...	ad	℥ijj.
Ft. cremor.				
(2) Ol. olivæ	...	...	...	℥40
Zinc. oxid.	...	...	...	℥iv.
Muc. tragac.	...	...	...	℥iv.
Lanolin.	...	...	...	℥iv.
Lin. calcis	...	...	ad	℥iv.
Ft. cremor.				

Yours faithfully,
GLEN TRUIM (13/6).

[No. 2 of these prescriptions makes a perfect cream, and does not require any addition. Mix the olive oil with the lanolin, add zinc oxide and rub down well in a warm mortar, and gradually add the lin. calcis until a cream results. Lastly, add the four drachms of muc. tragac. An equally good method is to mix the zinc oxide, olive oil 40 minims and the olive oil of the lin. calcis together, incorporate the lanolin thoroughly, and then add the solution of lime to which has been added the mucilage of tragacanth. A perfectly smooth non-separating cream results. No. 1 presents some difficulty. As it stands it is quite impossible to make a cream or any presentable mixture. You are instructed to make a cream, and to do this the following method gives a good presentable one:—Mix Ol. lavand., ℥30; zinc. oxid., ℥ijj; lanolin., ℥ijj in a warm mortar until perfectly smooth, add pulv. tragacanth., gr. 20, rub down well, then add gradually 2½ ounces of lime water. The most important part in the manipulation is to see that the mortar is warm enough, and to add only about half an ounce of lime water at first and gradually add the remainder.]

Legal Queries

J. A. H. (25/10).—We do not think a concentrated essence of ginger can be considered as a food within the meaning the Preservative Regulations, and therefore it would be permissible to use the quantity of preservative which, when the essence was diluted, would bring the finished food, i.e., ginger wine, properly within the limits laid down in the Regulations.

M. M. B. (26/7) insured his life and paid one premium. He has decided not to keep the policy in force. Is he entitled to any refund? [A life policy does not acquire a surrender value until it has been in force for a certain period—usually three years. After having paid only one premium, "M. M. B." is probably not entitled to any repayment from the insurance company.]

H. P. (27/9).—The reply to your question depends on the terms of the permission you have from the Commissioners to use the methylated spirit. If you have express permission to use either the industrial methylated or the industrial methylated (pyridinised) in making the Lin. Saponis Meth., then you can sell it as so made. If not, you will have to use the ordinary coloured methylated spirit unless, which would be preferable, you apply for and get permission from the Commissioners to use one of the industrial varieties.

O. T. S. N. (7/11).—The inclusion of the words "Cough Colds, etc.," in the label renders the article liable to medicine-stamp duty when sold by a person not entitled to the exemption in favour of the sale unstamped of "known, admitted and approved" remedies. The declaration of the contents as given by you is insufficient if you wish to sell this article unstamped as a "known, admitted and approved" remedy, since it does not comply with the conditions laid down in the Order of the Board of Customs and Excise as set forth in THE CHEMIST AND DRUGGIST, March 8, p. 300.

J. E. C. (8/10), after carrying it on for seven months, sold a business in a town of a quarter of a million inhabitants, two and a half years ago. At the time, he signed an agreement with the purchaser undertaking not to be engaged in a competing business within a radius of five miles, during a period of five years. Do we consider "J. E. C." could now safely open a new business within a mile of the one he sold? [In our opinion, the restrictive agreement was not unreasonably wide and is therefore enforceable. If the Court were to take the same view, the purchaser of the original business could successfully sue "J. E. C." for an injunction and damages if he ("J. E. C.") were to open a new business within the five mile radius.]

Retrospect of Fifty Years Ago

Reprinted from
"The Chemist and Druggist," November 15, 1880

Death of "Madame Rachel"

This notorious woman was sentenced at the Central Criminal Court to five years' penal servitude for obtaining money by false pretences. . . . She was subsequently seized with rheumatism, heart disease supervened, and then dropsy, of which she died on October 11. [On April 10 and 11, 1878, Sarah Rachel Levison, otherwise known as Madame Rachel, was indicted at the Central Criminal Court on a charge of false pretences in connection with some jewellery. The prosecutrix said that a rash appeared after using a "wash" made by the prisoner, and a girl caused much amusement by evidence to the effect that she assisted "Madame Rachel" in making up a "wash" composed of starch, fuller's earth, water and "something out of a paper," adding that the accused charged 21s. for a hair wash consisting of pearlash and water.]

Owing to pressure on space, this week's instalment of the C. & D. Commercial Compendium is held over.

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and goes on to say:—"Since when I have never been without it, and have never found it wrong."

Prepared only by
WILLOWS, FRANCIS, BUTLER & THOMPSON, Limited, 73, 75 and 89a Shacklewell Lane, LONDON, E.8
Phone: Clissold 6361 (4 lines). Telegrams: "Forty Kinland, London."

ALKALOIDS

Fine Chemicals Opium Derivatives

ALOIN	DIAMORPHINE	LEPTANDRIN
ATROPINE	EMP. CANTH. LIQ.	MORPHINE
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CAFFEINE	ERGOTIN	PODOPHYLLIN RESIN
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BLANDFIELD WORKS : 25 CHRISTOPHER STREET : 32 & 34 VIRGINIA STREET
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ESTABLISHED 1827

HAEMATOGEN HOMMEL LTD.
ZURICH, Switzerland.

Ammon. Sulfothyolic
Adrenalin
Menthol Valerianate
Mercury Salts, for Export
Bromdiethylacetylurea

Direct shipment from Switzerland to Oversea countries

Also apply to **Hommel's Haematogen & Drug Co.,**
121 NORWOOD ROAD, LONDON, S.E.24

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FOR
TRAGACANTH

CALL AND INSPECT OUR SAMPLES.

Phone : ROYAL 2165.

A.J. RIPPIN, Ltd., 17 Harp Lane, E.C.3

SOLAZZI

Liquorice Juice

The Chemist's Brand.

Should any enquiries as to the composition of SOLAZZI be received from the Public, Chemists are requested to emphasise the fact that SOLAZZI is not included in the category of Secret Remedies, and that the following guarantee obtains with every parcel.

Solazzi Juice is

guaranteed to consist entirely of the condensed extract of finest Calabrian Liquorice Root, without any admixture whatever

ALKALOIDS



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Chemical Works formerly Sandoz,

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EPHEDRINE "SANDOZ"

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Compressed Tablets

PACKED OR IN BULK, FOR WHOLESALE,
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London Office: Plantain Place, Crosby Row, Boro', S.E.1

Works: CREDITON, Devon

'Phones: Hop 2668 and Crediton 10.

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THE PUREST

SAFEST and

SUREST CORRECTIVE FOR ALL
DISORDERS OF THE SYSTEM

In Boxes 6d. and 1/-.

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HYDROGEN PEROXIDE

IN BOTTLES—ALL STRENGTHS
Exceptional Stability & Purity
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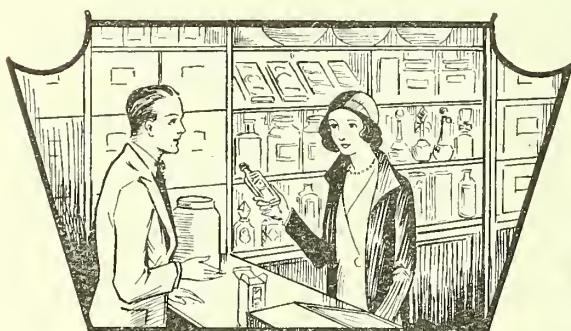
Producers of Aromatic Substances for Perfumery—Manu-
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MAKE USE OF ITS ADVANTAGES

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the perfume of it is
so delightful that
your customers will
become curious to
know what you have
used . . . after that a
sale should be easy . . .
and very profitable



Packed in Bottles
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SHOWCARDS SUPPLIED
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Manufacturing Chemists

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Write For Generous Trade Terms

THE POPULAR REMEDY FOR ALL WINTER AILMENTS

Invaluable for COLDS,
INFLUENZA, RHEUMATISM,
NEURALGIA, etc. An abso-
lutely harmless remedy with a
rapidly growing sale. Exten-
sively advertised in the daily
papers and backed by thousands
of valuable testimonials.

Sold in powders or tablets
retailing at 1/3 and 3/-.



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Cephos
See-foss REGD
Pronounced THE
PHYSICIAN'S
REMEDY



Cephos, Ltd., Blackburn.

Dr. BENGUÉ'S BALSAM

RHEUMATISM, NEURALGIA, GOUT.

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Dr. BENGUÉ'S DRAGÉES.—EUPURGO.
PULMO (BAILLY).—FORXOL.—OPOBYL.
ANESTILE.—NARCOTILE.—HEMOSTYL.
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NEOPANCARPINE.—MU.COL.—GUIPSINÉ.
MENATOL.—VIVOLEOL.

BENGUÉ & CO., LTD., MFG. CHEMISTS,
24 FITZROY STREET, LONDON, W.1.

The Profit's the thing

A steady profit is assured if you stock

CONSTIPON

The demand is good, and
sales are increasing daily.

TABLETS per box 3d., 6d. & 1/-

Stocked by Scottish Wholesale Druggists.

CONSTIPON

65 West Regent Street, Glasgow.

AN ACCEPTED REMEDY FOR 18 YEARS

No new and untried specific, but a reliable household standby that has been bought regularly and increasingly by those who have proved for themselves that it is effective and safe. To-day more people than ever are using Express Powders, in response to the widespread advertising.

Are you supplying your share of the demand.

For HEADACHE, INFLUENZA, CHILLS, Neuralgia, Rheumatism

NOTE THE REVISED PRICES AND PACK

Sizes	Prices	Profit Yielded
1/3 box	11/6 per doz.	3/6 per doz.
3/- box containing 22 powders	30/- per doz.	6/- per doz.
Box for opening containing 45 Powders at 2d. each	5/- each	2/6 each.
Box for opening containing 110 Powders at 2d. each	12/- each	6/4 each

Special Prices upon application for £5, £10 and £20 parcels.

London Distributors :

MAY, ROBERTS & CO., LTD.
7-13 Clerkenwell Road, E.C.1
SANGER & SONS,
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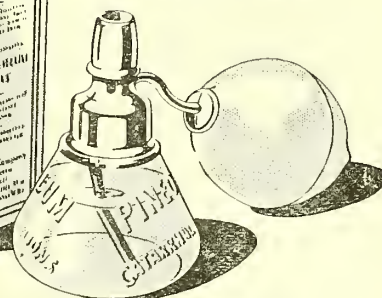
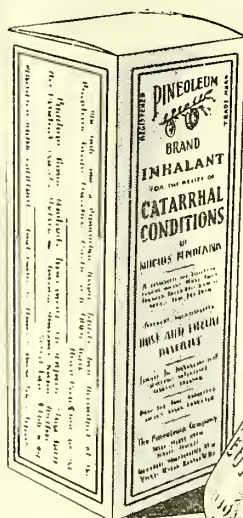
READE'S EXPRESS POWDERS

Made by :

Reade Brothers & Co., Ltd., Wolverhampton

Now in the forefront of catarrhal remedies

specialists
everywhere
prescribe this
inhalant



Lay in your supply now and be prepared for the coming of winter

ALL over the United Kingdom and Ireland specialists are prescribing this Inhalant for the relief of catarrhal conditions of the Respiratory Tract.

Pineoleum Brand Inhalant, as a result of intensive medical propaganda, has become an outstanding remedy for catarrhal conditions.

Pineoleum Brand Nebulizer Outfits are supplied, each containing sufficient Inhalant for several weeks' use. The Inhalant is also available in 100 c.c. bottles for dispensing and refilling nebulizers.

Lay in a supply now. The change of season and the widespread medical propaganda will create an unprecedented demand for Pineoleum. Be prepared !

BRAND

TRADE **PINEOLEUM** MARK
INHALANT

The agents for Pineoleum Brand Inhalant are the Cheshbrough Manufacturing Co. Cons'd., Victoria Road, Willesden, London, N.W.10

1330a



PHYSIOLOGICAL
TREATMENT

OF
CONSTIPATION

Its use does not lead to habit

COMPOSED OF EXTRACT OF THE INTESTINAL GLANDS, BILIARY EXTRACT,
AGAR-AGAR, AND LACTIC FERMENTS.

DISPLAY TAXOL on your Counter

FROM ALL WHOLESALERS.

PREPARED BY:

LABORATORIES LOBICA
47 AVENUE DES TERNES
PARIS (17E)

DISTRIBUTORS IN BRITISH ISLES:

Continental Laboratories, Ltd.
30 Marsham Street, London, S.W.1
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May we call your

attention to:—

PETROLAX

(BROWN CARTON)

(REGISTERED TRADE MARK)

THE IDEAL PARAFFIN AND AGAR-AGAR EMULSION

PETROLAX COMPOUND

(RED CARTON)

A COMBINATION OF PETROLAX AND PHENOLPHTHALEIN

PETROLAX ALKALINE

(BLUE CARTON)

A COMBINATION OF PETROLAX AND MIST. MAGNES. HYDROXIDI

*Note the Prices:—*RETAIL 2/- (Nominal $\frac{1}{2}$ lb.) 14/- doz.

„ 3/6 („ 1lb.) 24/- „

„ 6/- („ 2lb.) 44/- „

Stocked by the leading Patent Houses, or direct from the **SOLE MANUFACTURERS:—**

C. R. HARKER, STAGG & MORGAN, LTD.
Mile End, London, E.1

SPECIAL BONUS OFFER

UNTIL
DECEMBER 31ST
LEMSKIN

(NEW REGD NAME)

LEMON SKIN TABLET **3d**



Per Dozen 2/-
P.A.T.A.

Per Gross 21/-
P.A.T.A.

BONUS PARCELS

Carriage Paid

3 Dozen with 6 bonus	-	-	-	-	6/-	all
6 Dozen with 12 bonus	-	-	-	-	11/-	all
12 Dozen with 24 bonus	-	-	-	-	21/-	all

MILNER & COKE LTD. (incorporating the Green-
wich Lemonade Co.) 11 John Penn St., London, S.E.13

ALWAYS IN GREAT DEMAND

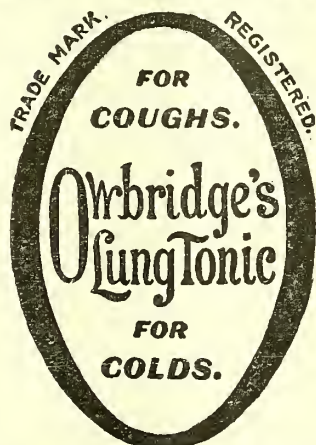
COST PRICE

1 gross 1/3 - £6 12 0

1 doz. 3/- - £1 7 0

£7 19 0

Carriage Paid
Terms: C.W.O.



SELLING PRICE

1 gross 1/3 - £9 0 0

1 doz. 3/- - £1 16 0

£10 16 0

Cost 7 19 0

PROFIT £2 17 0

The sale of this famous remedy is constantly growing.
Quick sales mean quick profits. Keep well stocked.

PRICE PROTECTED AT FACE VALUE

W. T. Owbridge, Ltd., The Laboratory, Hull.

MAKER OF SUPERFINE OINTMENTS

ROBERT BLACKIESHEN WORKS
TOWER BRIDGE ROAD

LONDON, S.E.1

HOP 2422

"USHENSPUNA,
LONDON"**"SPUN"
COLD
CREAMS**RECEIVE THE SAME
MINUTE CARE AND
ATTENTION TO
DETAIL AS THE
WORLD-FAMOUS
OINTMENTS**WHY NOT
SEND FOR
PRICES AND
SAMPLES
TO-DAY?**FROM HALF-OUNCE
TINS TO TONS**BATH CRYSTALS**

IN VARIOUS ATTRACTIVE PACKS

FOR THE

CHRISTMAS TRADE

DROP A POSTCARD ASKING FOR PRICES AND DETAILS

Retail PricesLiquid Yadil or Yadillets
(Yadil Tablets), 1/3, 3/-,
4/9, 12/-, 22/6.OINTMENT 1/3 per tin.
PASTILLES, 1/- per tin.
SOAP 1/- per tablet.**YADIL**
THE CERTIFIED SAFE
ANTISEPTICThe Antiseptic which
is Certified by Public
Analysts and Pathol-
ogists as safe for
Internal and External
use.**YADIL PRODUCTS (1925), Ltd., 59, Sicilian House, Sicilian Ave., London, W.C.1****"VITAMIN TESTED YEAST"***Yeast specially prepared for medicinal
purposes.*

GUARANTEED ABSOLUTELY PURE.

MIDGLEY & PARKINSON, LTD.,
WARREN WORKS, PUDSEY, LEEDS.**IONIZED IODINE (Kemsol Brand)**SURGICAL AND MEDICAL SOLUTIONS**FOR ALL INJURIES AND ILLNESSES**

Sold in 2 oz., 4 oz., 8 oz. and 20 oz. bottles.

Obtainable from all Wholesalers or from Distributors:

BRADBURY AND COMPANY

FULWOOD HOUSE, HIGH HOLBORN, W.C.1

**AN OLD-FASHIONED—BUT REALLY EFFECTIVE
remedy for COUGHS, COLDS, IN-
FLUENZA and BRONCHIAL troubles.****Licoricine**
ACTS LIKE MAGIC

Prices 10½d., 1s. 3d. and 3s.

MANDALL & CO. Ltd., 17/23 Stepney Rd., Newcastle-on-Tyne.LIVERPOOL BRANCH: 130/132 RICE LANE, LIVERPOOL (Telephone: 59 Walton).
Distributing Depot for Lancashire and Cheshire.**TERMS.**

10½d. size, 8/6 per doz.

1/3 " 12/- "

3/- " 27/- "

Less 5% dis. on 26 orders.

Carriage paid on orders of
£2 and over.

POPULAR



RELIABLE

*Sell & Recommend***“U.C.A.L.”****“Safety First” Brand.****IODISED THROAT LOZENGES**

Attractive tins; Smart Show-Outers;
Good, compelling Show Material.
Two-colour Handbills—*FREE*.

Holds full confidence of the Public.

**The Brand that gives you
Extra Profit.**

THE TRADE'S BEST SELLER.**ORDER YOUR SUPPLIES NOW.**

8½d. Size:
COSTS 4/6 doz.
12 doz. - 4/3 „

1/3 Size:
COSTS 7/6 doz.
3 doz. - 7/- „

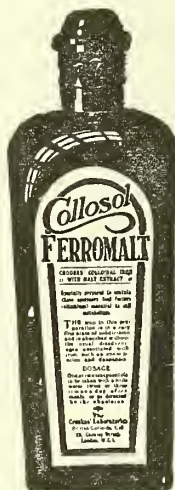
United Chemists' Association
LIMITED (Phone 3021)

CHELTENHAM

and **KEITH GROVE, LONDON, W.12.**
Telephone : **SHEPHERD'S BUSH 3437.**

COLLOSOL FERROMALT

(CROOKES)



THE MOST SUCCESSFUL
IRON TONIC on the
MARKET.

Daily increasing in popularity with both the medical profession and the public. Collosol Ferromalt is now supplied in an attractive packing, admirably adapted for counter display.

Collosol Ferromalt gives a satisfactory margin of profit, and the assurance of complete satisfaction to your clients.

TERMS AND PARTICULARS FROM
THE CROOKES LABORATORIES
(BRITISH COLLOIDS, LTD.),

22 CHENIES STREET, LONDON, W.C.1

Telephone Nos.:
Museum 3663, 3697, 5737.

Telegrams:
"Collosols, Westcent, London."

Export Distributing Agents, **AYRTON, SAUNDERS & CO., LTD., LIVERPOOL.**



BLACK BEAUTIES!

ANTISEPTIC
THROAT PASTILLES

1 lb. - 3/- (tins free)
4 lbs. - 2/10 " "
7 lbs. - 2/9 " "
14 lbs. - 2/8 " "

Also in 5 lb. Jars, charged
1/3 returnable

*Specially printed parchment
bags with showcard supplied
free.*



EVANS, SONS, LESCHER & WEBB, LTD.
LIVERPOOL DUBLIN LONDON

EVERY WINTER BRINGS AN INCREASE in the demand for Snowfire



It's a case of one customer making many, where the Snowfire Tablet is concerned. This magic little tablet is a real friend to the skin in winter, soothing chapped hands, making work-roughened hands smooth and white again, softening dry, cracked lips. And the Snowfire Tablet is always so well advertised, too. Display it prominently this winter—brisk sales and good profits will result.

Snowfire TABLET

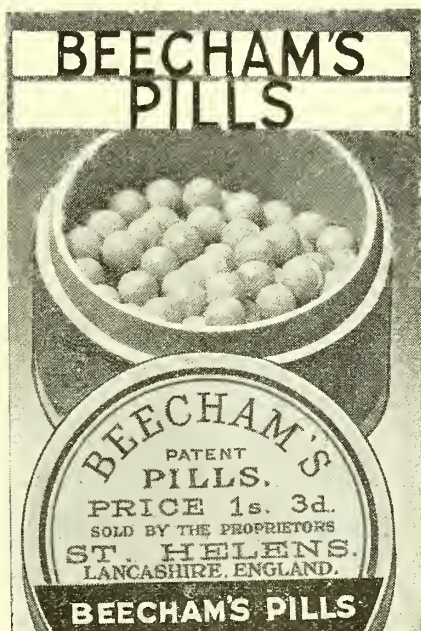
Made by: **F. W. HAMPSHIRE & CO. (1927) LTD.**
Sunnydale Works, Derby.

AGENTS: India: Messrs. Siqueira & Son, 121 Fort St., Fort, Bombay.
Australia: Messrs. Salmon & Spraggon (Australia), Ltd.
218 Kent St., Sydney, N.S.W.
Canada: A. Whitchurch Little, 807 The Wilson Building,
60 Front St., West Toronto.
U.S.A.: F. W. Hampshire Corporation, 882 Harrison
Avenue, Boston, Mass.

TWO LEADERS

— BEECHAM'S PILLS —

DR. CASSELL'S TABLETS



Backed up by consistent and forceful advertising which has created an enormous buying force in the Drug Trade, BEECHAM'S PILLS and DR. CASSELL'S TABLETS are two leading lines the selling power of which has long been recognised. The chemist will do well always to have a good stock on hand. Both are quick sellers — both are easy to handle and both give fair profits.

Other Beecham-Veno lines also in great demand are GERMOLINE, The Aseptic Skin Dressing, GERMOLINE (Medicated) TOILET SOAP & BEECHAM'S POWDERS.

Send a combined order and ask for show material next time you order through your wholesaler or direct from

**THE
BEECHAM-VENO CENTRAL
DISTRIBUTING DEPOT**
Chester Road - MANCHESTER

Tel. No.: 1961 Trafford Park.





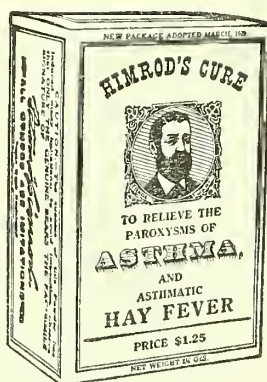
Write to-day for
Special Bonus Terms

Powerful press publicity
persuades public purchase
Prunol Pastilles.

Practical pharmacists,
procuring promptly, push
Prunol Pastilles . . .
providing personal
prestige plus profit.

PRUNOL PASTILLES

PRUNOL PRODUCTS, LIMITED, 21 COCKSPUR STREET, LONDON, S.W.1 (PHONE: REGENT 1920)



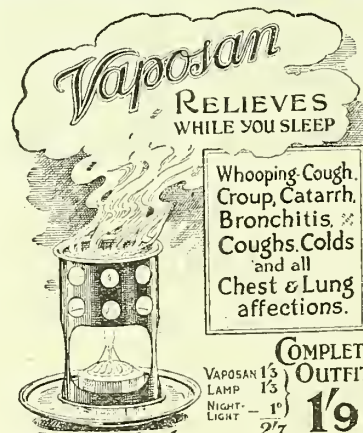
**Profitable,
Repeat Business and
Satisfied Customers**

Standard For Over 60 Years
Himrod Manufacturing Co.
HOBOKEN, N. J., U. S. A.

—Order From Your Service Jobber—

A SEASONABLE LINE

LIBERAL PROFIT. POPULAR PRICE.



KILLS THE GERM AND INSTANTLY EASES THE COUGH.
FROM ALL CHEMISTS.

14/- per dozen

Send for free sample to:

McCLURE, YOUNG & Co., Ltd.

MANUFACTURING CHEMISTS

Glenthams Road

Barnes, S.W.13



The 'Aspro' Review



17% Extra Profits.

"British to the Core"

New Series Display Features.

Ads. That Will Still Further Push 'Aspro'

Sales Ahead This Winter

WE illustrate in reduced form some of the advertisements that will be appearing in the leading newspapers throughout the British Isles during the coming months. They will help sales to forge still further ahead and an increased share will come to your counters if you will give 'ASPRO' display features prominence in your windows, and on your counters.

How To Link Up With The Largest Publicity Campaign Of Its Kind In The World

ASPRO Limited spend thousands of pounds annually in the form of window stickers—displays—giant cartons—paper bags, etc., and the Chemist who measures the value of displaying these features is obtaining the maximum pulling power of a newspaper advertising campaign that is the largest of its kind in the world.

It is for this reason that we urge Chemists to complete the link in the chain of distribution by placing the window sticker on their windows and by keeping continual display features in their windows.

Such action can only result in an increased sale of 'ASPRO' and enable the buying of 'ASPRO' on bonus terms which means an additional profit of over 3s. in the £. We welcome suggestions, and requests for any display features will receive immediate attention.

'Aspro' consists of the purest Acetyl-Salicylic Acid that has ever been known to Medical Science and its claims are based on its superiority.

Made by ASPRO LTD., Slough, England.

Agents: GOLLIN & CO. PTY., LTD., 'Aspro' Dept.,
SLOUGH, BUCKS. Phone: Slough 608.

**And Don't Overlook Buying
'ASPRO' On Bonus Terms To
Make An Extra 17% PROFIT**

No proprietary right is claimed in the method of manufacture or the formula.

ASPRO
REG. TRADE MARK



PURE MALT EXTRACT

with *FINEST*

NORWEGIAN COD LIVER OIL

The Brand that does not separate nor crystallize.

Your own name and address on labels. In English jars, etc. Direct from the actual manufacturers.

THE BRITISH DIAMALT COMPANY
SAWBRIDGEWORTH - - HERTS.



Products of the
BATTLE CREEK
FOOD CO.,
Michigan, U.S.A.

TWO IMPORTANT LAXATIVE FOODS

Lacto-Dextrin, a food for changing the intestinal flora, 12 oz. packings 4/6, 5 lbs. 22/6.—Psylla, intestinal vegetable lubricant, 10 oz. packings 4/6, 5 lbs. 24/6.—Both these foods are being regularly advertised to the Medical Profession throughout the year. Liberal discounts. Order through your wholesaler or write direct to:

Wholesale & Distributing Agents for United Kingdom & Irish Free State:
COATES & COOPER
41 GREAT TOWER ST., LONDON, E.C.3

MASON'S GINGER WINE ESSENCE

□ □ □

LIBERAL WINDOW DISPLAY
ALLOWANCE

ATTRACTIVE
ADVERTISING MATERIAL

□ □ □

Apply—

NEWBALL & MASON
LIMITED.
NOTTINGHAM

PHEDROS

SYRUP EPHEDRA COMPOUND-MULFORD

PHEDROS is a new cough syrup containing the anti-spasmodic properties of the Chinese drug Ephedra (Ma Huang), the expectorant properties of Squill and Ipecac., and

the stimulant property and salt action of Ammonium Chloride. PHEDROS is recommended to relieve the paroxysms and allay acute symptoms of coughs, bronchitis, etc.

Each fluid ounce contains . . .

Chloroform	2 minims
F. E. Ephedra	40 minims
Syrup Squill	180 minims
Syrup Ipecac.	40 minims
Ammonium Chloride	8 grains
Syrup Tolu	q.s.

DOSE—One to two teaspoonfuls according to age.

SHARP & DOHME LTD.

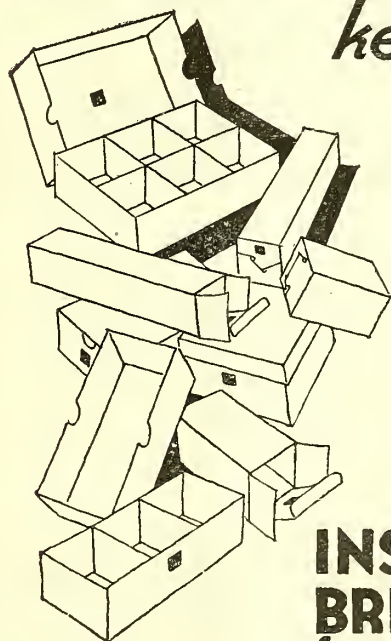
associated with

H. K. MULFORD CO.

Regent Arcade House, 252 Regent Street, London, W.1. Telephone: Regent 2567

CARTON USERS!

keep the wheels of British mills turning



Seventy-five per cent. of the cardboard boxes sold in this country are probably made from foreign board. Most box makers would gladly submit samples of boxes made from British Board if asked to do so. Many box makers anxious to support British industry are fixing a coloured seal indicating this fact to specimen boxes made of British Board.



**INSIST ON
BRITISH BOARD
for your boxes**

Look
for this seal
on sample boxes

DISULPHAMIN *is chemically :*

—ortho - oxybenzoyl - sulphon - nucleino -
formol - sodium - tetradimethyl - amino -
antipyrin - bicamphorated—

INDICATIONS

Influenza Colds
Pyelitis
Puerperal Sepsis
Surgical Sepsis
Bronchial Asthma
Obstetric Morbidity
Cystitis, etc.

*—the new successful product of
the Bio-Chemical Laboratories,
Locarno, Switzerland*

Sole Agents for U.K.

COATES & COOPER

41 Great Tower Street
London, E.C.3

New Unstamped SCOTT'S EMULSION for Sale on Prescription



Under the new dispensing concession and with the permission of the Commissioners of Customs and Excise, we are now supplying Scott's Emulsion unstamped for sale entire on a doctor's prescription. In accordance with our P. A. T. A. obligations we have fixed the minimum retail price at 4/- and 2/6 for the large and medium sizes respectively. Bought on our best terms at 32/9 and 20/9 per dozen this shows an increase of profit from 25% to 31% on turnover. Smaller quantities of unstamped Scott's Emulsion than those obtainable in unbroken cases may be ordered through your Wholesaler in the usual way.

SCOTT'S EMULSION

For steady sales this winter.

Goodall, Backhouse LEEDS & Co.

TELEPHONE: 20435-7—Three lines

We specialise in the following and offer
the best of packs and the keenest prices—

Malt and Oil, Olive Oil,

*(Splendid choice of own name labels)**Also National Mark Malt and Oil*

Cod Liver Oil,

Cod Liver Oil Emulsion and Petroleum Emulsion

“Velva” Bottle Series:

CHEMICAL FOOD, OLIVE OIL, GLYCERINE OF THYMOL, COD
LIVER OIL, MEDICINAL PARAFFIN, Etc., Etc.

(Handsome own name script labels)

All of Finest Packs, Highest Quality, Keenest Prices

**Whatever you need—
let GOODALL'S quote**

DRUGS AND CHEMICALS, PROPRIETARY ARTICLES, PHARMACEUTICALS,
TOILET PREPARATIONS—EVERY NEED OF THE MODERN PHARMACY

Delivery: Our customers know the wonderful delivery service we already possess, but we have added a further couple of new vans to our fleet. Almost week by week we are increasing the radius, the speed, and the frequency of our deliveries throughout the Northern Area.

A REALLY GOOD LINE THAT GETS THE BUSINESS!

The increasing demand for a thoroughly reliable and yet reasonably priced High Frequency Outfit makes the TROJAN a really profitable and fast selling line.

A bold display in your window featuring the TROJAN H. F. Outfit will bring increased sales immediately.

It would be a good idea to send us a card NOW and ask for full particulars of our remarkable Selling Scheme.

JOHN SHAW & SONS WOLVERHAMPTON LTD

(Established 1795)

Head Office and Works - - - WOLVERHAMPTON

Telephone: Wolverhampton 1001.

Telegrams: "Shaw Wolverhampton."

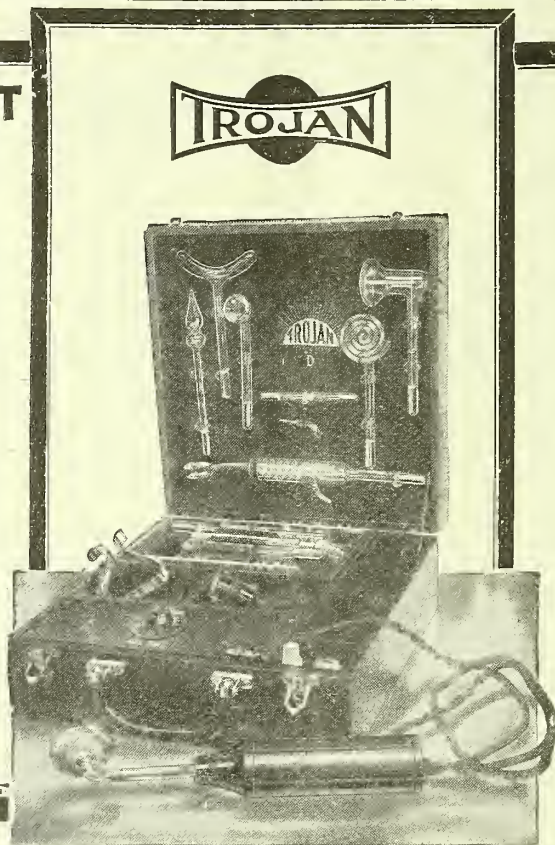
London - - - - - 29 Shoe Lane, E.C.4

Telephone: Central 1814.

MANCHESTER - - - 5 Orme Buildings, Parsonage

Telephone: Blackfriars 1365.

BCM/SELMOR



REPEAT ORDERS EVERY POST

for the
LOCARNO MEDICATED
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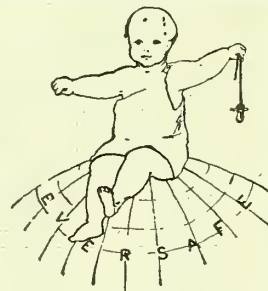
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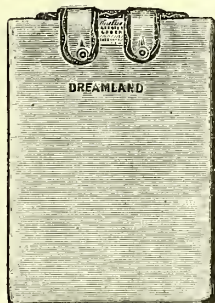
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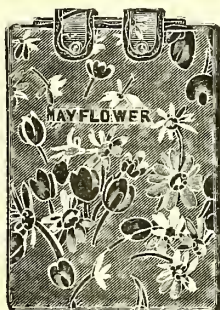
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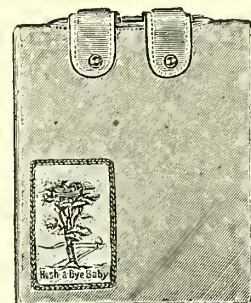
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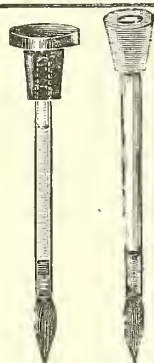


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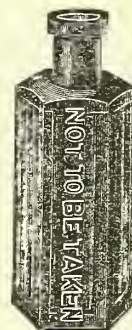


Fig. 3

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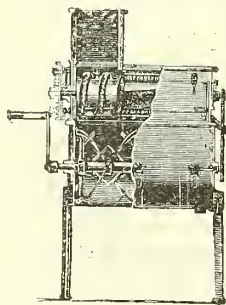
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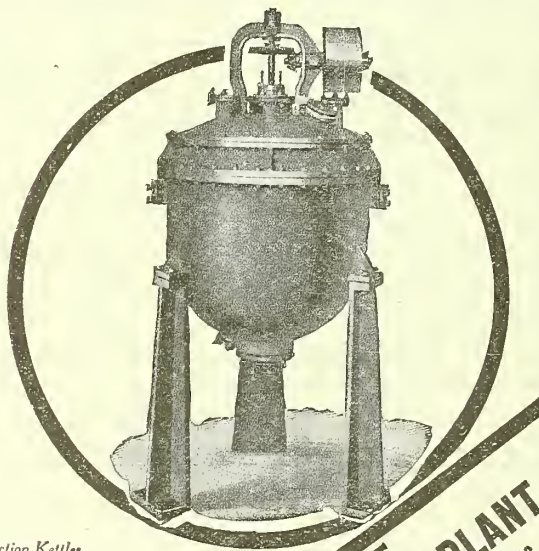
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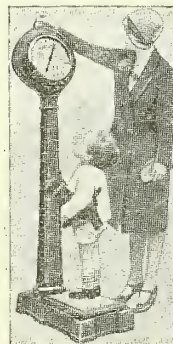
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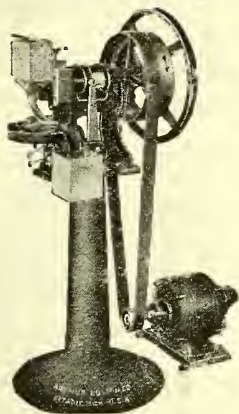
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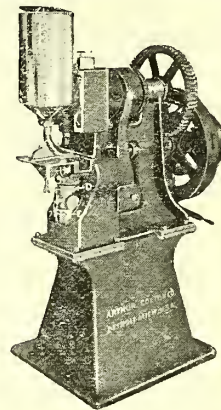


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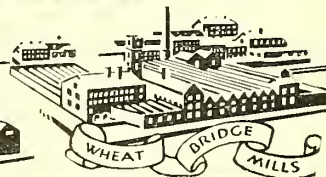
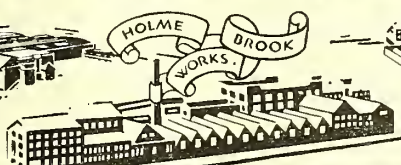
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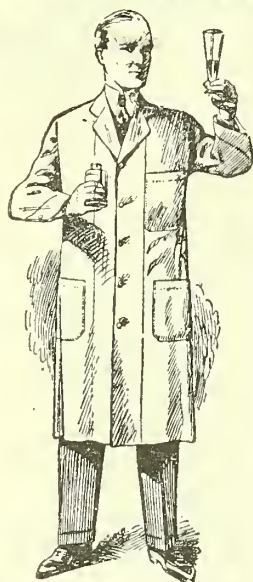
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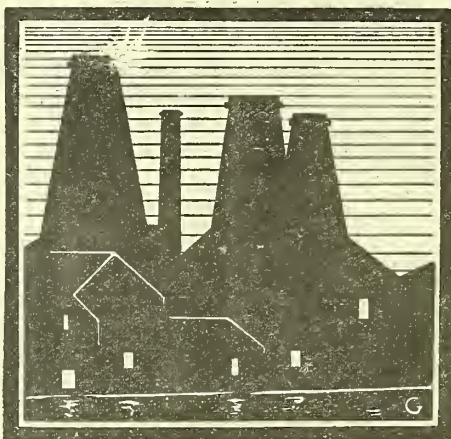


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stocked; very good living accommodation over; vendor owns property and would sell same or grant a lease at £200 per annum; scope for increase under energetic management; terms, valuation of stock, plus agreed sum for fixtures and goodwill.

9.—EASTERN COUNTY.—General Retail and Dispensing Business, with Kodak Agency and N.H.I.; established over 100 years; same family 50 years; returns, last year, £2,500, under indifferent management; scope increase under personal supervision; double-fronted shop; living accommodation; new lease; valuation terms entertained.

10.—CHESHIRE.—Light Retail and Dispensing Business, with Kodak and Cupal Agencies; returns, last year, £942; scope; good profits; single-fronted shop, fairly fitted and stocked; comfortable living accommodation; private entrance; price £800, to include property.

11.—BRIGHTON.—General Retail Business, with Kodak Agency; returns £900 per annum; old-fashioned corner shop, fitted in mahogany; rent £70; house contains 12 rooms; part sub-let at £2 weekly; price asked £900, or near offer.

12.—SUFFOLK.—Cash Drug Store, with Confectionery; situate in very good position; immense scope with the addition of Photographic and Dispensing; double-fronted shop 40-ft. frontage; estimated value of stock and fixtures £1,100; modern house, bathroom, private and back entrances; vendor owns property and will grant a lease at a rental to be agreed; vendor retiring; part-payment entertained; further details on application; turnover £2,600.

13.—YORKSHIRE.—General Retail and Dispensing Business, with Kodak Agency; established 80 years; returns, last year, £1,132; fairly large single-fronted shop, well fitted and stocked; accommodation comprises six rooms and side entrance; rent £45 per annum inclusive; price £700, or £100 plus stock and fixtures at valuation; part-payment entertained.

14.—HANTS.—General Retail Business, with Kodak Agency; returns last year £1,450; scope for large increase under energetic management; lease will be granted or premises may be purchased; price for business £1,000, or valuation terms entertained.

Chemists' Transfers, Valuations for Sale, Stocktaking & Probate

SPECIAL TERMS FOR INCOME TAX VALUATIONS

ERNEST J. GEORGE

Chemist's Valuer and Transfer Agent
TUDOR HOUSE, WALSALL

'Phone: Wal 3774.

Tel.: Earnest, Walsall.

1931 STOCKTAKING PHARMACISTS ARE REQUESTED TO BOOK EARLY FOR CONVENIENT DATES

Enquiries are invited relative to the following businesses for sale.

(1) **BLACKPOOL.**—The owner of an old-established concern with a present turnover exceeding £2,000 desires to retire from business at an early date, and is prepared to consider reasonable offers for purchase; the present annual turnover (certified) exceeds £2,000; living accommodation is available; premises prominently situated; the opportunity is a unique one, and full particulars will be forwarded on application by potential purchasers.

(2) **NEWCASTLE-ON-TYNE.**—Established 7 years; double-fronted premises with modern house attached; present annual turnover approximately £1,200; rental, £96 per annum; net profits approximately £300; situated in growing residential area and offering splendid opportunities for extension and development; owner disposing for private reasons only; purchase price, £600, or stock and fixtures at valuation, plus £100 for goodwill.

(3) **YORKSHIRE.**—Established 10 years; average annual turnover approximately £1,400; gross profits, £530; no near opposition and good scope for increase; reason for disposal, owing to retirement; £900 required for business, including stock and fixtures estimated at £650; the present owners also desire to dispose of the property for £1,300.

(4) **BOURNEMOUTH.**—Old-established business centrally situated with splendid opportunities for considerable extension; present turnover approximately £1,550 per annum, but this could be very considerably and rapidly augmented as the result of adequate personal management; purchase price required approximately £1,100; for the right man the possibilities are unbounded, a statement that is made as a result of personal knowledge and experience.

(5) **HEREFORDSHIRE.**—High-class up-to-date retail business in busy shopping street; well-fitted in modern style; turnover exceeds £4,000 per annum; 10 year lease at moderate rent; thoroughly recommended; for immediate sale £850 will be accepted for goodwill, plus stock and fittings at valuation; a highly desirable business from the standpoint of a live and progressive man.

(6) **LANCASHIRE.**—Owing to health reasons, the owner of a business recently but firmly established is anxious to dispose; present annual turnover, £1,250; N.H.I. dispensing (125 scripts weekly); rent, £35 per annum; lease, 15 years unexpired; lock-up shop; purchase price required approximately £800, including stock and fixtures.

(7) **PEMBROKESHIRE.**—Coastal town; double-fronted shop with living accommodation; splendidly situated; average annual turnover approximately £2,000; gross profits, £800; excellent opening for optics and scope for increase generally; rental, £60 on long lease; heavily stocked; purchase price approximately £1,500 or alternatively, assets at valuation figure; satisfactory private reasons for wishing to dispose.

(8) **PEMBROKESHIRE (Branch Business).**—At present under unqualified management; annual turnover approximately £1,000, with splendid prospects for development under personal control; purchase price approximately £350; the present owner would be agreeable to a prospective purchaser (qualified) taking on the management of the business with a view to succession at a later date.

(9) **£50, PLUS STOCK AND FIXTURES AT VALUATION.**—Total approximately £350. Opportunity for young qualified beginner to acquire business situated in working class area of Midlands City; present returns approximately £16 per week; with excellent opportunities for increase; N.H.I. dispensing; moderate rental; living accommodation available; additional interests sole reason for disposing.

(10) **SOUTH-WEST.**—Busy industrial town; a high-class family business with an approximate annual turnover of £3,500 may shortly be offered for sale; pharmacists who would be interested are invited to write for particulars, to be forwarded when available.

*London Representative: Mr. S. F. CLARK,
 34 Marksbury Avenue, Richmond, Surrey.*

Telephone: Richmond 2210

The Association of Manfg. Chemists, Ltd.

Business Agency, Transfer & Valuation Department
 Head Offices—Kimberley House, Holborn Viaduct, London.
 E.C.1 (and at 2 Bixteth Street, Liverpool).

PARKIN S. BOOTH, Valuer.

'Phone: City 1261-2-3

BUSINESSES FOR DISPOSAL.

1.—**LONDON, S.W.**—Old-established Chemist's Business, held on lease 8 years at £56 p.a.; let off £91 p.a.; returns average £17/20, under management; premises consist of double-fronted shop with two rooms behind; price for lease and goodwill, £150; fixtures, etc., £150; stock at valuation, approximately £350. Further particulars on application. (43)

2.—**LONDON, N.7.**—Old-established Optical Business, combining recently established Pharmacy, held on lease with 14 years to run at a rental of £250 p.a., of which £135 is let on lease; returns £28 per week; very large shop, dispensary and sight-testing room, situate in busy main road; no opposition for some distance. Further particulars on application. (42)

3.—**MANCHESTER.**—Old-established Retail Business for quick disposal; yearly tenancy; rent £150; returns for the last 40 years average over £50 weekly; at present returns are £35 weekly; nicely fitted and good stock; Wine and Spirit Licence; living accommodation. (48)

4.—**LONDON, S.E.**—Acid, Drug and Chemical Business for quick disposal; premises held on weekly tenancy at 14s. per week; returns average £25; stock and fixtures estimated at £500; offers invited. Full particulars on application.

5.—**LONDON, S.W.**—Recently-established Retail Dispensing Business premises on 15 years' lease at £150 per annum, of which part is sub-let at £104 per annum; returns 1929, £1,932, all cash; Kodak and U.C.A.L. Agencies; price for quick sale £1,100 all at, or £750 plus s.a.v. (approximately £425). (41)

6.—**LINCS.**—Established Dispensing and Retail Business for quick disposal in important town; 17½ years' lease to run at £200 per annum; returns average £50 per week; very large shop, situate in main thoroughfare; specially recommended.

7.—**BIRMINGHAM.**—General Retail and Dispensing Business, situate in main busy road, for quick disposal; approximate returns £25 per week; double-fronted shop and seven-roomed house over; lease will be granted at £100 per annum; house above could be let at £78 per annum; price for lease, goodwill, fixtures and utensils £450; stock approximately £500. (49)

BERDOE & FISH

CHEMISTS' VALUERS AND TRANSFER AGENTS,

41 Argyle Square, KING'S CROSS, W.C.1

(One minute from St. Pancras and King's Cross Stations).

UNIQUE OPPORTUNITY

HIGH-CLASS CITY BUSINESS, in splendid position; turnover £6,000 to £7,000, with plenty of scope for increase; handsome modern Pharmacy; valuable lease; owner retiring; price £5,000; chance seldom offered and strongly recommended.

1.—**SUSSEX COAST.**—Good-class Retail Dispensing and Photographic Business; turnover exceeds £4,000; good profits; audited books; very best position; fully stocked; price, valuation, plus an agreed sum for goodwill.

2.—**MIDDLESEX (Outer Suburb).**—High-class Family Retail and Dispensing Business, in fine position; returns last year £2,400; gross profits £1,000; audited books; good house; owner retiring; price £2,000, or offer; strongly recommended.

3.—**ESSEX COAST.**—Sound, well-established Business; in splendid position; turnover £4,000, under management; audited figures; handsome modern pharmacy, fully stocked; price £2,000, about value of stock and fixtures.

4.—**KENT (Death Vacancy).**—Good middle-class Business, in centre of small progressive town; returns about £1,200, under manager; can do £2,000; large double-fronted shop; low expenses; price £925, or offer.

5.—**NORTH LONDON.**—Good-class Family Retail, with Optics, in most desirable residential suburb; returns approach £3,500; valuable lease; low rent; fully stocked; price £2,650; personally recommended.

6.—**CRYSTAL PALACE DISTRICT.**—Good middle-class Cash Business, in main road position; returns £1,750; books properly kept; modern double-fronted shop; well fitted and stocked; price £950; personally inspected and recommended.

Stocktaking Valuations.

We are now booking dates for November onwards, and invite early application. Terms on application.

Estab. 1870.

Telephone: Terminus 3574.

JOHN BRIERLEY, F.N.A.A.

CHEMISTS' VALUER AND TRANSFER AGENT,
135 Queen Street, Newton Heath, MANCHESTER

Having recently disposed of several sound concerns, I am in urgent need of more, returning not less than £1,500 p.a.
"For your better service." (Phone: Failsworth 113.)

APOLOGY TO CHEMISTS ETC. We regret delay in executing some of the orders we still have on hand owing to excessive demand.

We have now re-designed our factory, and all outstanding orders are being dealt with in strictest rotation. Our Press Advertising is being resumed and all future orders will be handled with the utmost possible expedition.

"MONSOON BALSAM"
(BRITAIN) LTD.
329 HIGH HOLBORN
LONDON W.C.1.

BUSINESSES FOR DISPOSAL.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

BIRMINGHAM.—For Sale, urgent, very old-established neglected Chemist's Shop, with Kodak Agency; owing to unforeseen circumstances owner must sell immediately, and is prepared to sacrifice goodwill; shop occupies a very good position, and is capable of doing big figures. Apply 28/4, Office of this Paper.

BIRMINGHAM (Near).—Thickly populated district; corner position; N.H.I., 1929, was £300; for quick sale will take £270, which is less than the value of stock and fittings. Particulars, 30/21, Office of this Paper.

LEICESTER.—Old-established and well-fitted Pharmacy; N.H.I. and Kodak Agency; returns, 1929, £2,500, over; double-fronted, rent £78 per annum; rates £40; stock £900; fittings, fixtures, including small D. & P. Plant, £450; terms, stock and fixtures at valuation, plus small sum to be agreed for goodwill. 30/28, Office of this Paper.

MIDLANDS.—Old-established Retail and Dispensing Business; industrial area; corner shop; freehold premises; large N.H.I.; good living accommodation; returns £1,800; satisfactory reasons for disposal; no near opposition; audited accounts; Sub Post Office attached; ex-service man given priority. Apply Godkin & Co., 6 Peacock Lane, Leicester.

SHEFFIELD.—Business in shopping centre of middle-class suburb, being rapidly developed; nearest opposition one mile; modern premises; double-front; good fittings and stock; Kodak and Ucal; no living accommodation; accounts certified; sale owing to illness of owner; splendid opportunity for young Chemist; only wants seeing; price £550. Marsden, Chemists' Valuer, 29 Oakwell Crescent, Leeds.

STAFFORDSHIRE.—Nicely fitted, well-stocked Pharmacy; lock-up shop; returns £12, plus average of 100 N.H.I. weekly; scope for increase; rent £25 per annum, clear; four doctors in village; no opposition; Kodak Agency; lease 7 years; price £300, or valuation terms. 30/10, Office of this Paper.

TYNESIDE.—Well-fitted Pharmacy; £24 weekly; rent £75; valuation; stock could be reduced; under management. 179/367, Office of this Paper.

DOUBLE front, modern fitted lock-up Shop, well stocked, excellent position, close to new tube railway station, on busy bus route, about 15 miles from Town; Kodak and Rexall Agencies; Private and N.H.I. Dispensing; opportunity for introducing Optics; increasing returns £1,500; rent £70; long lease; price £850. Particulars to genuine buyers with references only. 29/6, Office of this Paper.

GENUINE Country Business, near Bath; established 17 years; profitable personal trade; business and premises for sale; over 70 ft. frontage. 22/20, Office of this Paper.

GENUINE SALE.—Yorkshire. Cannot impress too strongly triflers not wanted. Bank reference must accompany first letter, else ignored. Net profit £15 weekly, after £3 assistant's wages; could manage cheaper if desired; full particulars; accountant's figures available; searching inquiry and interview welcomed; working-class business; price £1,250. 29/7, Office of this Paper.

ADVERTISERS would consider the PURCHASE OF GOODWILL, etc., of any PATENT MEDICINE or PROPRIETARY ARTICLE—or ARRANGE for its MANUFACTURE and DISTRIBUTION.

State full particulars, 174/209, Office of this Paper.

CLEAR OUT—your Old or Damaged Stock of Photo Goods

Why keep them any longer? Turn them into CASH. I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.

S. E. HACKETT, 23 July Road, Liverpool

NORTHERN provincial town; good-class Dispensing and Retail; unopposed; living accommodation; growing district; at present under management; last year's returns £1,000; can do more. 179/367, Office of this Paper.

£185.—DRUG and Herbal Business; nicely fitted; electric light; rent £1 a week inclusive; lock-up; good position; suit qualified or unqualified; ripe for conversion; good reasons for disposal; splendid living for right man; 30 miles out; healthy surroundings. Apply 29/36, Office of this Paper.

£550. STRATFORD E.15 (main road).—Genuine, long-established Business; shop and fine house; returns £1,500 for year ended March last; net profit 27 per cent.; rent £19 10s. quarter; rates £4 5s. quarter; fixtures, fittings, lease (20 years), £550 for quick sale; ill-health cause. No triflers. Write "Chemist," 19 St. Mark's Road, London, E.8.

BUSINESSES WANTED.

BERDOE & FISH are urgently in need of Businesses returning about £3,000 upwards, particularly in London, Home Counties and the Coast; cash buyers waiting to take immediate possession; quick sales negotiated privately. Correspondence cordially invited. Transfer Offices: 41 Argyle Square, King's Cross, W.C.1. Phone: Terminus 3574.

CHEMIST, with capital available, requires sound Business, net profit about £400-£500 (smaller business considered if scope for increase); Lancashire, Bristol or near preferred; would consider Partnership in larger business, with view to succession. Please give all particulars in first letter; strictest confidence maintained; references given and expected. 31/27, Office of this Paper.

YORKSHIRE.—Sound Chemist's Business wanted in Yorkshire for spot cash; must be profitable concern, with good turnover and preferably with large N.H.I.; good price paid for the right business; would also consider management with view to early succession. Full particulars (in confidence) to 280/4, Office of this Paper.

AGENCIES.

AGENTS wanted, calling on Chemists and Hairdressers, to introduce new Razor; liberal commission to energetic salesmen; highest references essential. Apply, stating age, ground covered, etc., Box W 24931, Haddon's Advertising Agency, Salisbury Square, London, E.C.4.

PREMISES FOR SALE.

NELSON.—For Sale, modern Shop in principal thoroughfare; British and Foreign Wine Licence, held since 1902 by present owner; eminently suitable for Chemist or Wine Merchant; good living accommodation. For particulars apply T. M. Threlfall, Chartered Accountant, Martin's Bank Chambers, Nelson.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an Advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

SALE BY AUCTION.

Removed from City Road for convenience of sale.

5 LITTLE BRITAIN (close to G.P.O.).

Well-made CHEMIST'S FITTINGS, including two handsome Dispensing Screens, a 10-ft. Drug Run, one exceptionally fine 8 ft. Chemist's Wall Showcase, six others, two Chemist Counters, several Counter Cases, Sponge Cases, Perfumery Cases, Silent Salesman, Mirrors, Tills, Display Stands, Glass Shelves, etc.

B. NORMAN & SON

will Sell by Auction, at their Sale Rooms as above, on Wednesday, November 26, at 12.30 p.m.
Catalogues on application.

**SALE AT SHORT NOTICE.
BIRMINGHAM,
18 SNOW HILL.**

By direction of Messrs. Galloways, who have disposed of the lease of this branch, and are concentrating on their main business at 79 New Street, Birmingham.

**IMPORTANT SALE OF
VALUABLE SHOP FIXTURES AND FITTINGS.**
being the complete equipment of a Chemist's Shop, amounting at cost to upwards of £1,000, and installed within the last two years.

GRAY & HILLMAN, F.A.I.

(late Gray & Walker),
will Sell by Auction, on the premises as above, on Wednesday Next, November 26, at Two o'clock p.m. precisely.
No Catalogues.

On View any day from 8.30 o'clock a.m. to 8 o'clock p.m.
Auctioneers' Offices: 20a Temple Street, Birmingham. Telephone: Midland 6306-7.

PARTNERSHIPS.

PHARMACIST is desirous of taking into Partnership a young and genial qualified Chemist with small capital in opening first-class West-End Pharmacy in an unequalled position; keen and hard-working applicants with previous West-End experience only need apply. Enclose photograph and references to P.C.B. 9/8, Office of this Paper.

PREMISES TO LET.

BLACKPOOL.—Double-fronted Shop, now empty, with living accommodation; 5 years Chemist; no ingoing; also other Shops, all in main street, including Lock-up Shop. Owner, 189 Church Street, Blackpool.

BRIXTON (main road position).—Last Shop in recently-built parade, with modern shop front fitted, to Let at a commencing rent of £250 per annum; splendid opening for Chemist. Apply Hillier, Parker, May & Rowden, 27 Maddox Street, W.1.

NOTTING HILL GATE.—Flat or whole House over Chemist's shop; splendid position for Dentist or Optician; separate entrance; low rent and long lease to substantial tenant. Apply 28/14, Office of this Paper.

UNIQUE opening for Chemist; nearest shops to 6,000 houses. To Let, imposing Shop Premises, with basement, adjoining Burnt Oak Tube Station. Details from Penney, Springfield, N.W.9. Phone: Colindale 6664.

PATENTS.

THE Proprietor of British Patent No. 233,377 is prepared to Sell the Patent or to License British manufacturers to work thereunder. It relates to a method of producing an active albumin substance from tubercle bacilli for use as a vaccine. Address Boulton, Wade & Tennant, 112 Hatton Garden, London, E.C.1.

NAMES AND ADDRESSES.

When sending advertisements for any of the sections in this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not followed and delay and disappointment ensues. Strict attention to this detail will be appreciated.

SITUATIONS OPEN.**RETAIL (HOME).**

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

LONDON.—Unqualified for good-class shop; must be an accurate, reliable Dispenser of good experience. State if can use typewriter. If no reply in 3 days respectfully declined. 27/6, Office of this Paper.

LONDON, N.W.—Wanted, qualified lady for two hours' duty on Thursdays and alternate Sundays, 6-8 p.m.; fee 5s. per evening. Dispensing only. Hay's Drug Stores, Ltd., 77 Carlton Vale, Maida Vale, N.W.6.

LONDON, W.5.—Qualified Assistant required now; good Display and Counterman essential. Details required, age, salary, and previous experience to 30/16, Office of this Paper. Applications not answered in four days respectfully declined.

LONDON.—Two unqualified Assistants, lady and gentleman. Apply personally, or if by letter give full particulars of experience, stating age, height, salary required, and when at liberty. Marshalls, Chemists, 78 High Street, Kingsland, E.8. (Dalston Junction.)

LONDON, N.W.—Qualified lady; Dispensing and Counter. Please state age, experience, salary required, etc., to 32/28 Office of this Paper.

MANCHESTER.—At once, Manager, about 30, married, used to N.H.I.; house provided free of expense; first-class references essential. State salary required. 31/19, Office of this Paper.

A YOUNG lady Assistant required, used to Perfume and Toilet Counter. Apply personally to Ben Jones, 192 High Street, Romertou, E.9. Phone: Amhurst 0372.

ASSISTANT; unqualified, capable Dispenser; knowledge of Photography; used to quick Retail trade. State age, height, salary required, enclose photo (returned), and copy references. Rowlands, Hesse Road, Hull.

ASSISTANT, unqualified, wanted at once for Dispensing Counter of high-class business; undeniable references essential. Apply, preferably in person, Manager, E. B. Stamp, 29 High Street, Hampstead. Applications not answered in four days are unsuccessful.

CAPABLE Assistant (lady or gentleman), about 30; living accommodation available if desired; good Retail and Dispensing experience essential. State full particulars of experience, age, when free, salary required. Applications not answered within 7 days respectfully declined. T. Swain, Cleveland Pharmacy, Bath.

CHEMIST'S Assistant; male; unqualified; must have had first-class experience. Apply personally, before 11.30 a.m., Staff Controller, Harrods, Ltd., 44 Hans Crescent, S.W.1.

FOR South Coast.—Qualified Assistant; must be energetic, obliging and have good references and an up-to-date knowledge of good-class business; good interest in business will be given, but only those prepared to put their best into the job need apply. Please send age, particulars of experience, when disengaged, references and salary expected. 31/40, Office of this Paper.

IMPROVER required; one just finished apprenticeship; first-class, all-round experience. State full particulars and salary required. Balkwill & Co., 106 Old Town Street, Plymouth.

JUNIOR Assistant, accustomed to good-class Dispensing. Applicants will kindly give full particulars of previous experience to Lewis & Burrows, Ltd., 145 Holborn Bars, E.C.

JUNIOR (male) wanted for a business in the West Riding of Yorkshire; must have had a good-class experience and be a neat and accurate Dispenser; knowledge of Photography preferable, but not essential. Apply, giving usual particulars in first letter, 29/9, Office of this Paper.

JUNIOR or Improver for Light Retail; country business near London; good appearance and reference. State age and salary required. Time for study if required. 32/26, Office of this Paper.

LADY Assistant; unqualified; just finished apprenticeship would suit; some Dispensing experience essential. State age, height, full experience, salary required, enclose photo (if possible) and references. Interview an advantage. Modern shop; Essex suburb; easy access London. Bayley, 8 Chequers Parade, Dagenham.

LADY, qualified preferred, for Welsh seaside business; live in. All particulars to 179/371, Office of this Paper.

QUALIFIED Manager (married) for Family business in South Wales; must be good Prescriber, Counterman, and good at window displays; plenty of scope and liberal commission on increases; house attached. Give full particulars of age, wage and previous experience to 29/16, Office of this Paper.

QUALIFIED.—Private limited company require early in New Year qualified Assistant, with Photographic experience, for small Retail Pharmacy; low initial salary, progressing if returns warrant. Apply, giving full particulars and lowest salary entertained, Ashton Pharmacy, 75 Cross Street, Sale, Manchester.

TAYLORS CASH CHEMISTS, 55 Pall Mall, London, S.W.1, require two qualified Managers for London district; applicants should give full particulars (by letter only) of experience, height, salary required, etc.; must possess up-to-date ideas of display and salesmanship.

WANTED (Bristol).—Unqualified Assistant wanted for two or three hours daily in good-class business in Clifton. 31/8, Office of this Paper.

WHOLESALE.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

The ADVERTISER may if preferred have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

ENERGETIC, part-time Representative required, on a commission basis, for the sale of a high-class all-British Safety Razor Blade; must have excellent connection among Wholesalers, and Retail Chemists, Ironmongers and Cutlers, Hairdressers and Stores in Southern Home Counties and South Coast. Write (in confidence), giving full particulars, experience, and names of firms at present representing, to 179/365, Office of this Paper.

MANUFACTURING Perfumers with competitive lines require the services of Representative for greater part of London with sound connection amongst Chemists, Stores, Hairdressers, etc.; remuneration will be on a commission basis to commence. 29/13, Office of this Paper.

MEDICAL Representative required by well-known firm of Infant Food Manufacturers for the North of England; must be of good appearance, well educated and scientific or pharmaceutical qualification or training would be advantageous should be able to drive a car. Apply, stating age, qualifications and experience, also remuneration required, to "M. R.," 179/361, Office of this Paper.

MESSRS. BOB MARTIN, LTD., Dog Food and Medicine Manufacturers, Southampton, have vacant the position of Assistant Manager; applicants must be between the ages of 25 and 30, and experience is required of selling to the Chemist trade, buying of printed matter, and general office routine. Application, by post only, enclose references, give fullest particulars, and state salary required.

REPRESENTATIVE required by leading firm of National Advertisers to Sell to Retail Chemists; applicants must have a well-established connection with the trade; ability to drive car and Pharmacists' qualification or training are advantages. Write, in confidence, giving full particulars of experience, age, married or single and remuneration required, to 179/360, Office of this Paper.

REPRESENTATIVES, calling on Chemists, Hairdressers, etc., in any part of the country wanted to carry two advertised Toilet Preparations, on commission basis, as side lines (small samples). Apply, by letter only, stating territory, references, etc. (in confidence), to Bryte (1928), Ltd., 154 King's Cross Road, London, W.C.1.

SUPERVISOR or Forewoman, experienced, required by Manchester firm of Manufacturing Chemists for large Bottling and Labelling Department; must be smart and good disciplinarian. State (in confidence) age, experience, wages required, and when at liberty. 179/369, Office of this Paper.

SITUATIONS WANTED.

(RETAIL HOME.)

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

The ADVERTISER may if preferred have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

A.A.A.A.—QUALIFIED, young, requires position as Manager or Senior; well recommended. "Pharmacist," 31 Dunsford Road, Bearwood, Birmingham.

A.A.A.—SMART Assistant; 31; first-class Salesman; good Dispenser; general routine; 17 years' experience; 10 years recently West End; trustworthy; reliable; excellent references; disengaged. "Sinapis," P.C.B. 9/19, Office of this Paper.

A.A.A.—QUALIFIED; capable taking charge; West-End experience; moderate salary. "Chemist," 119 Egin Avenue, Maida Vale.

A.A.A.—AN efficient, energetic, qualified Manager of good experience, married, 30, requires post with good-class firm; London, near, or Southern Counties; sound references; interview arranged. 31/11, Office of this Paper.

A.A.A.—QUALIFIED, 27, conscientious, reliable, desires engagement, any capacity; alternatively, early succession in sound concern considered; spot cash available. "Chemist," 15 Morpeth Avenue, Harton, South Shields.

A.A.A.—QUALIFIED, 23, Scot, desires situation; energetic; excellent high-class experience; good references. 31/33, Office of this Paper.

A CHEMIST-OPTICIAN (M.P.S., F.S.M.C.), young, desires progressive post as Manager or Assistant; excellent pharmaceutical experience; capable Refractionist; 9 years' experience in London and Provinces; first-class references; Midlands or South preferred. "Chemist," 68 Hill Street, Wellingborough, Northants.

A GENTLEMAN, qualified, 35, married, recently disposed of a business, requires Managership, Assistantship, permanency; London to South Coast; full control large, small staffs; experienced all departments; offers or appointments to, interview to, "M.P.S.," 28 Nutfield Road, Thornton Heath, Surrey.

ALL Square begs your consideration and a square deal. M.P.S., middle-aged, experienced, trustworthy, tactful, keen business man, undeniable references, at liberty, capable anything, seeks management; permanency; residence if possible. "Metatone," 32/5, Office of this Paper.

A LADY Dispenser (Apothecaries' Hall), Hospital experience, desires post; Doctor or Institution. Everatt, Cherry Street, Elsecar, Barnsley, Yorks.

A PHARMACIST, free in January, desires managerial position with possibilities of succession; energetic, well trained, and really competent to take charge; Southern Counties preferred. 28/40, Office of this Paper.

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EXPERIENCED Assistant; active, courteous, obliging; temporary or permanent; unqualified. 30/5, Office of this Paper.

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LADY, qualified, desires situation in good-class business; London preferred, but not essential; moderate salary. Appl. 30/8, Office of this Paper.

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M.P.S., part-time, locum or permanent; disengaged; middle-aged; moderate salary; recommended; Brighton and Worthing district. "H.", 32 Steyne Gardens, Worthing.

M.P.S., good all-round experience, including West End, desires position; efficient in any capacity. 30/34, Office of this Paper.

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QUALIFIED lady seeks engagement; six years' general experience; good Dispenser; excellent references; Locum or permanency; Brighton or South Coast preferred. Sharpe, 39 Hampstead Road, Brighton.

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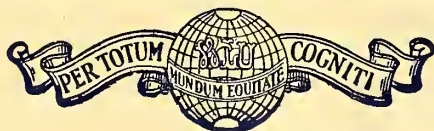
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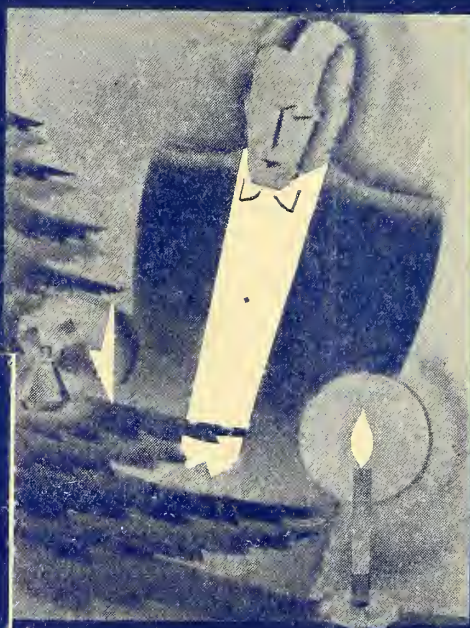
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